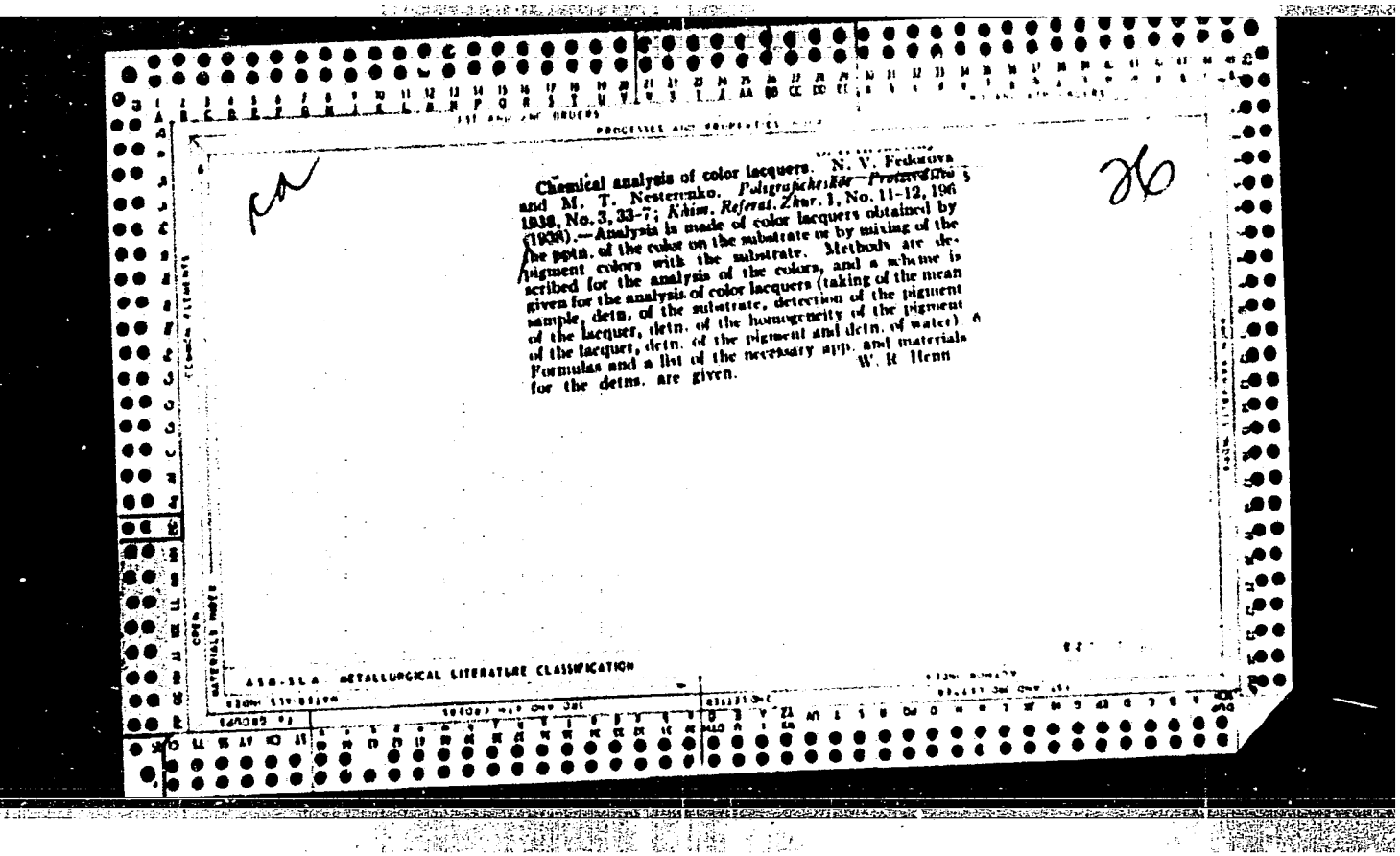
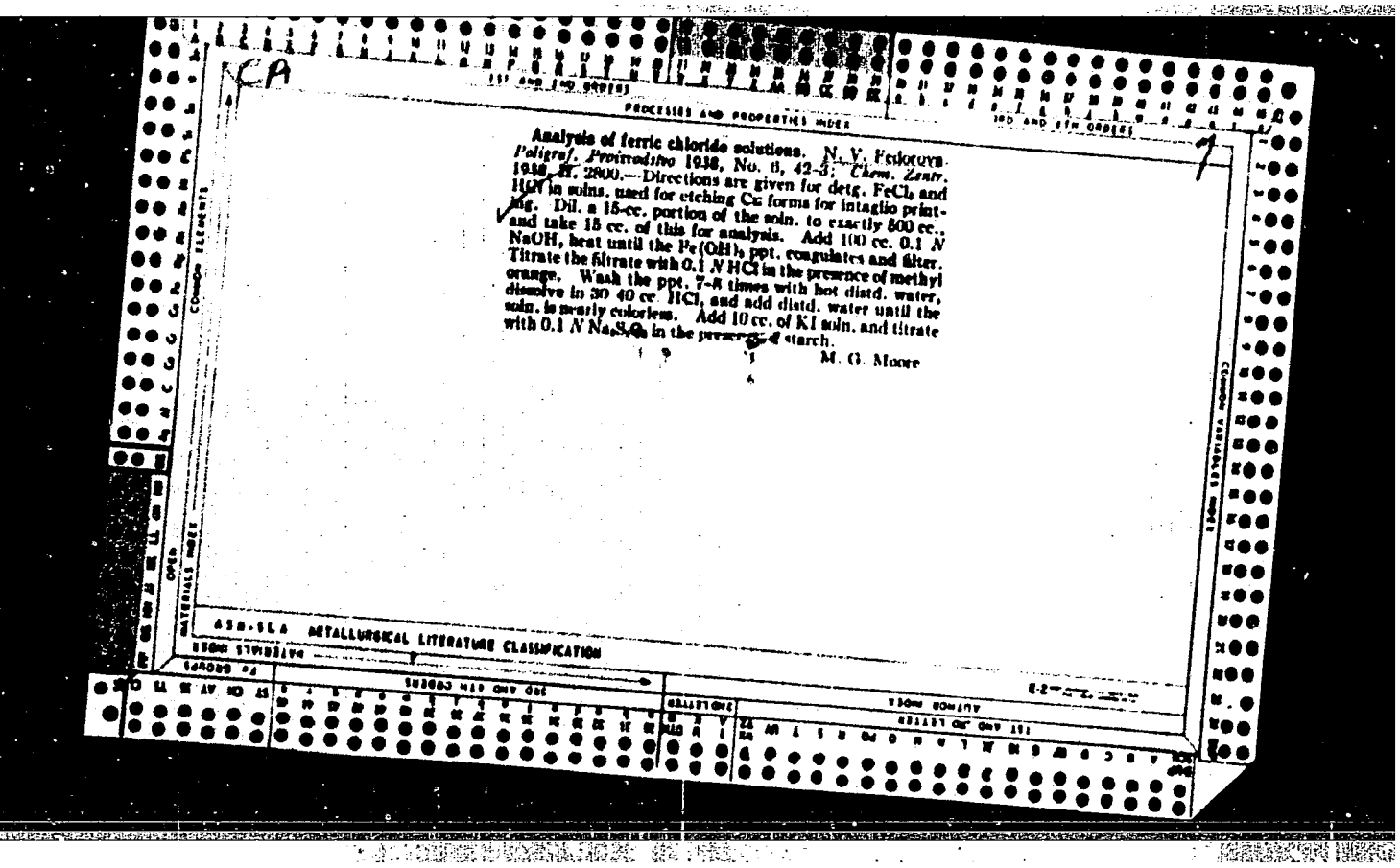


Chemical analysis of color lacquers. N. V. Fedunova and M. T. Nesterenko. *Poligraficheskaya Promyshlen.* 1938, No. 3, 33-7; *Khim. Referat. Zhur.* 1, No. 11-12, 196 (1938).—Analysis is made of color lacquers obtained by the ppta. of the color on the substrate or by mixing of the pigment colors with the substrate. Methods are described for the analysis of the colors, and a scheme is given for the analysis of color lacquers (taking of the mean sample, detn. of the substrate, detection of the pigment of the lacquer, detn. of the homogeneity of the pigment of the lacquer, detn. of the pigment and detn. of water) & Formulas and a list of the necessary app. and materials for the detns. are given.

W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



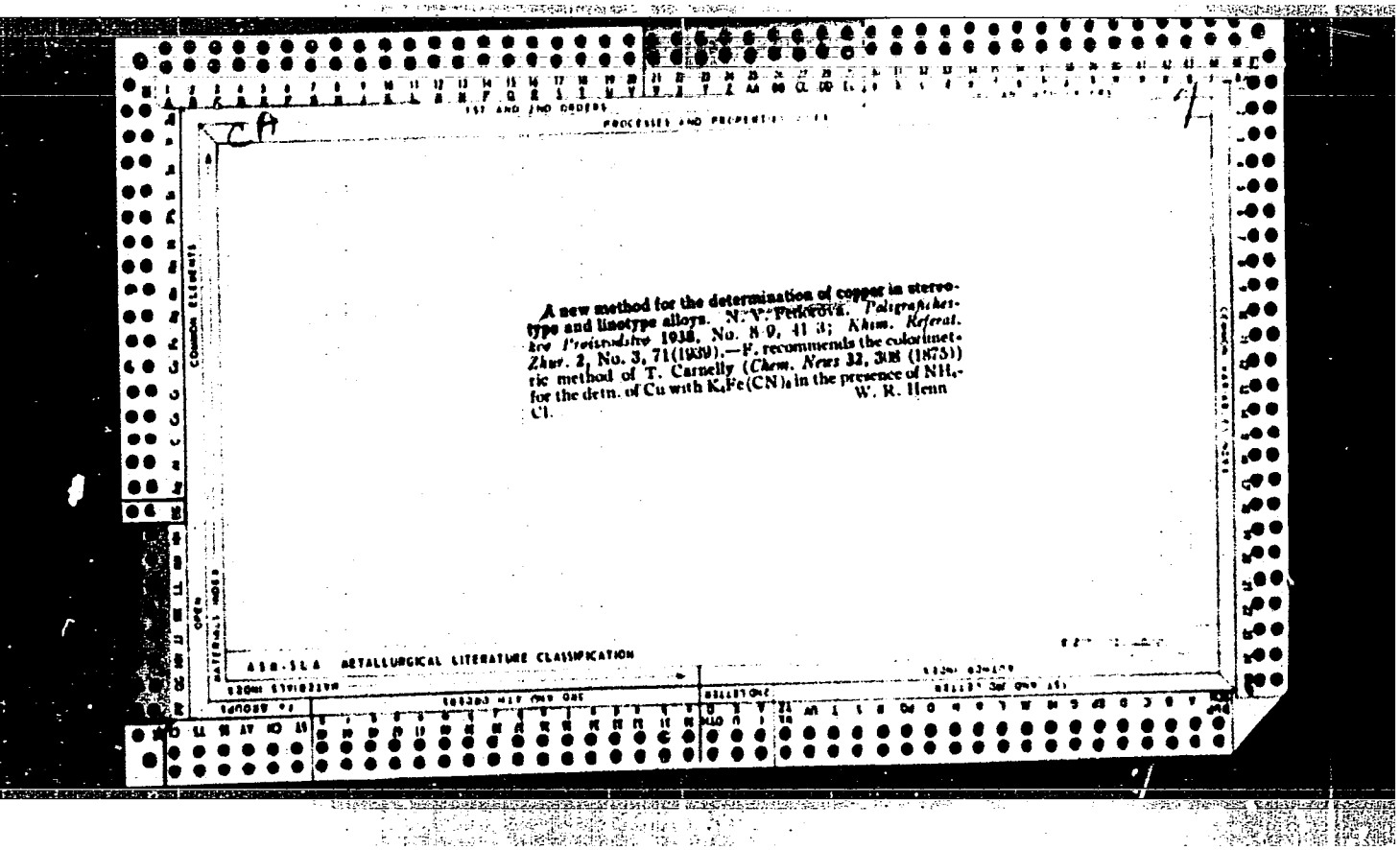
CA

PROCESSES AND PROPERTIES INDEX

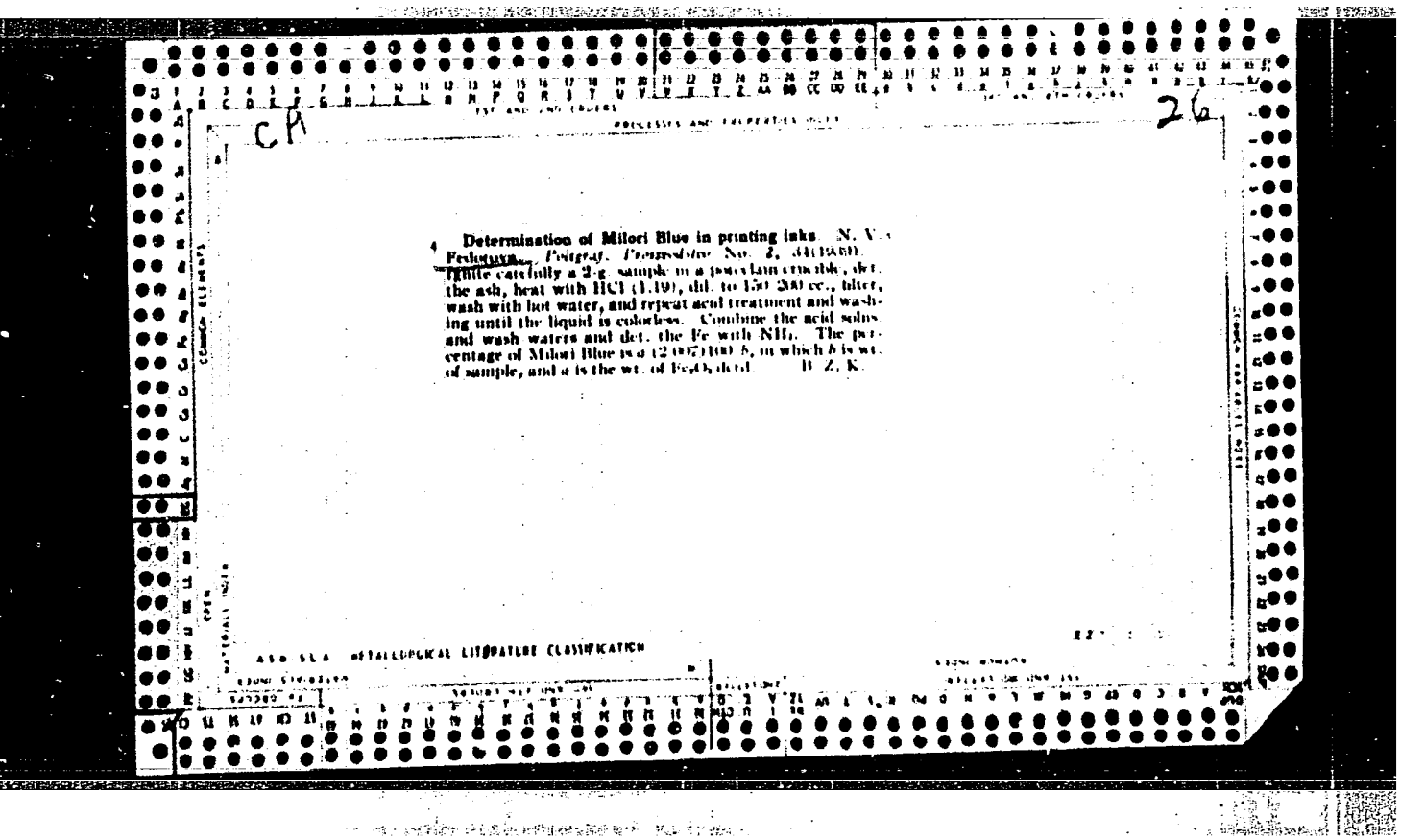
Analysis of ferric chloride solutions. N. V. Pestogova. *Poligraf. Proizvodstvo* 1938, No. 6, 42–3; *Chem. Zentr.* 1938, II, 2800.—Directions are given for detg. $FeCl_3$ and HCl in solns. used for etching Cu forms for intaglio printing. Dil. a 15-cc. portion of the soln. to exactly 500 cc., and take 15 cc. of this for analysis. Add 100 cc. 0.1 *N* NaOH, heat until the $Fe(OH)_3$ ppt. coagulates and filter. Titrate the filtrate with 0.1 *N* HCl in the presence of methyl orange. Wash the ppt. 7–8 times with hot distd. water, dissolve in 30–40 cc. HCl, and add distd. water until the soln. is nearly colorless. Add 10 cc. of KI soln. and titrate with 0.1 *N* $Na_2S_2O_3$ in the presence of starch.

M. G. Moore

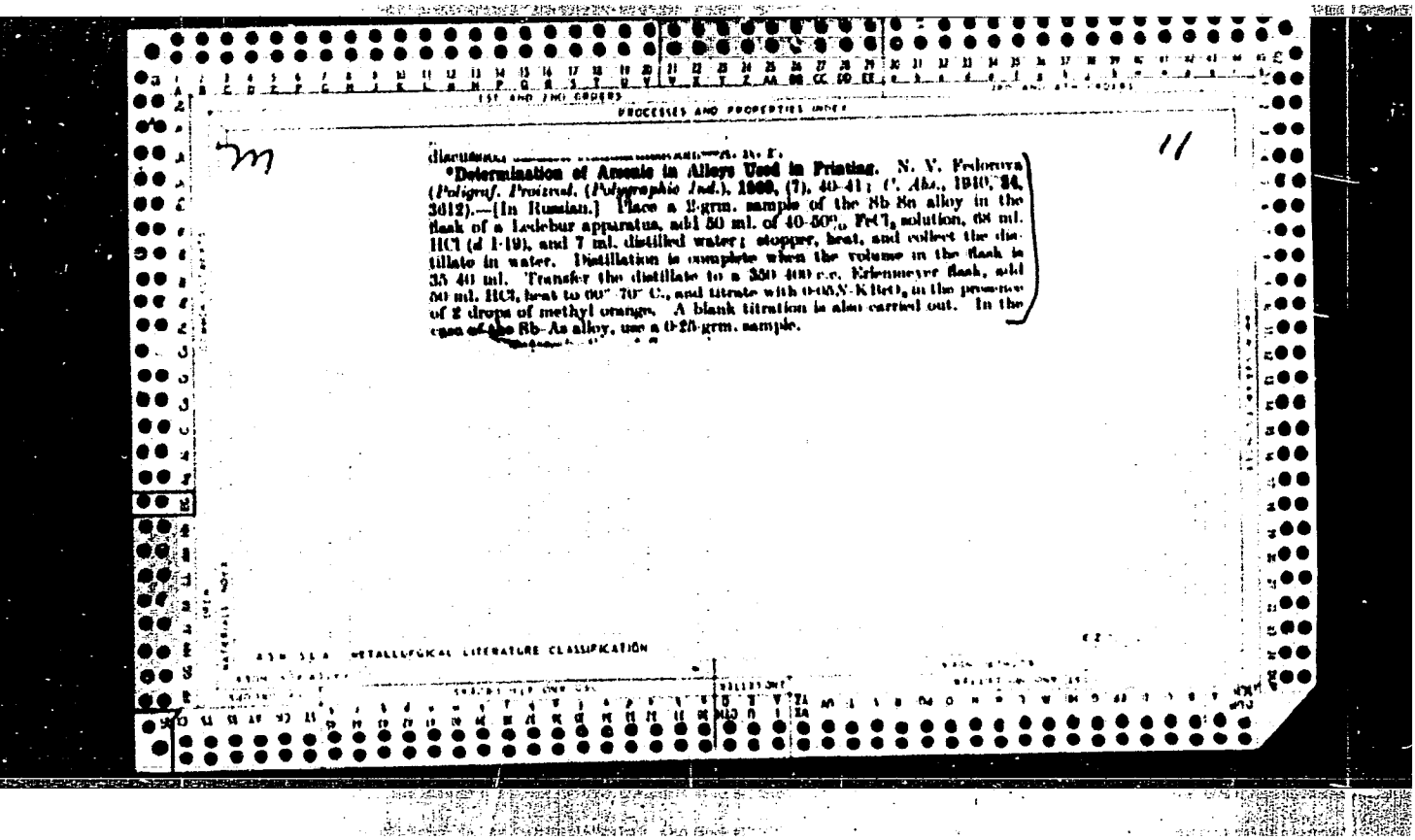
A56-6LA METALLURGICAL LITERATURE CLASSIFICATION



A new method for the determination of copper in stereotype and linotype alloys. N. V. Perkova. *Poligraficheskoe Proizvodstvo* 1938, No. 8-9, 41-3; *Khim. Referat. Zhur.* 2, No. 3, 71(1939).—F. recommends the colorimetric method of T. Carnelly (*Chem. News* 32, 308 (1875)) for the detn. of Cu with $K_4Fe(CN)_6$ in the presence of NH_4Cl.
W. R. Henn

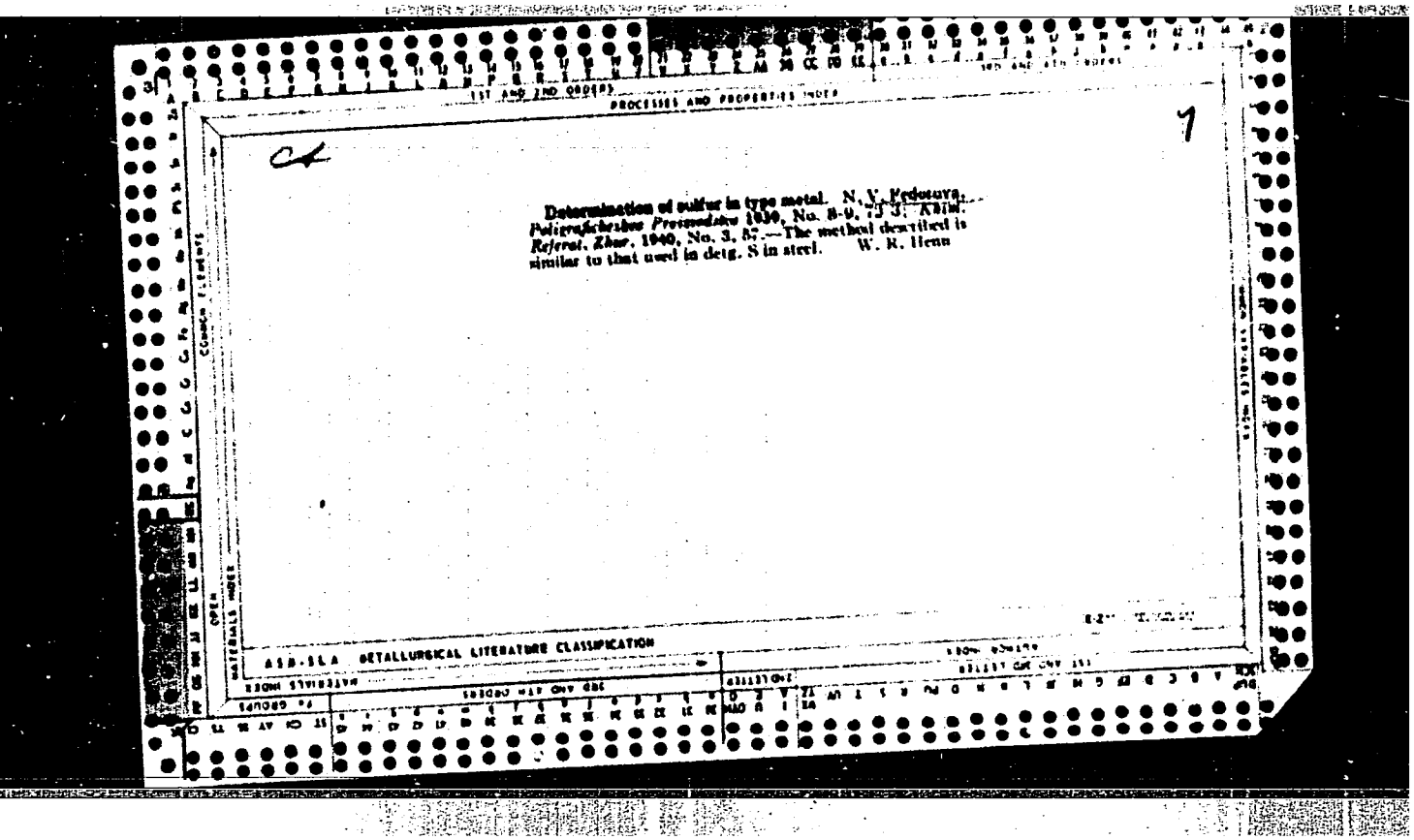


Determination of Milori Blue in printing inks. N. V. Fedoseyeva. *Poligraf. Promyshlen.* No. 2, 34(1960). Triturate carefully a 2-g. sample in a porcelain crucible, dry, the ash, heat with HCl (1.19), dil. to 150–200 cc., filter, wash with hot water, and repeat acid treatment and washing until the liquid is colorless. Combine the acid solns. and wash waters and det. the Fe with NH_4. The percentage of Milori Blue is a (2.097)(10) *b*, in which *b* is wt. of sample, and *a* is the wt. of Fe_2O_3 found. B. Z. K.



discussed. N. F.

Determination of Arsenic in Alloys Used in Printing. N. V. Fedorova (*Poligraf. Proizvod.* (*Polygraphic Ind.*), **1940**, (7), 40–41; *C. Abs.*, 1940, **34**, 5012).—[In Russian.] Place a 2-grm. sample of the Sb–Sn alloy in the flask of a Lediebur apparatus, add 50 ml. of 40–50% $FeCl_3$ solution, 68 ml. HCl (*d* 1·19), and 7 ml. distilled water; stopper, heat, and collect the distillate in water. Distillation is complete when the volume in the flask is 35–40 ml. Transfer the distillate to a 350–400 c.c. Erlenmeyer flask, add 50 ml. HCl, heat to 60°–70° C., and titrate with 0·05*N*-$KBrO_3$ in the presence of 2 drops of methyl orange. A blank titration is also carried out. In the case of the Sb–As alloy, use a 0·25-grm. sample.



Determination of sulfur in type metal. N. V. Fedoseyev. *Poligraficheskoe Proizvodstvo* 1939, No. 8-9, 73-5; *Abstr. Referat. Zhur.* 1940, No. 3, 87.—The method described is similar to that used in detg. S in steel. W. R. Henn

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS

PROCESSES AND PROPERTIES INDEX

26

Determination of the acidity of linseed-oil colors. N. A. Fedgusvar—*Poligraf Proizvodstvo* 1941, No. 5, 27-30; *Chem. Zentr.* 1942, II, 2250. F. recommends the following electrometric titration for the detn. of acidity of colors prepd. with boiled linseed oil: A 5-g. sample with 40 cc. of neutral benzene is allowed to stand for 1-1.5 hrs., then pptd. with neutral alc., allowed to stand for several min., and filtered; the residue is twice dissolved in 10 cc. benzene and pptd. from 5 cc. alc.; the combined filtrates are mixed with 25 cc. of neutral amyl-alc. LiCl soln. (7 g. in 200 cc.) and with a pinch of quinhydrone, then electrometrically titrated with an alc. 0.1 N KOH soln. (phenolphthalein); the sample is connected with 40 cc. of a quinhydrone-contg. KCl soln. (37 g. in 250 cc. H_2O) in a 2nd vessel by means of an agar bridge (5 g. agar dissolved in 100 cc. H_2O; 5 cc. of a 10% aq. KI soln. is added and a U-shaped glass tube is filled with it). Pt wires serve as electrodes. The contact with the Cu conductors is made by Hg. The measured e.m.f. values are recorded in relation to the consumption of KOH and give the total contents in free and colloidal fatty acids in the colors.

Sonya G. Machelson

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION

FEDOROVA, N. Ya.: Master Tech Sci (diss) -- "The stability of low buildings on shallow foundations under the conditions of Chita Oblast". Vladivostok, 1958. 19 pp (Acad Sci USSR, Siberian Dept, Far East Affiliate im V. L. Komarov), 150 copies (KL, No 3, 1959, 111)

FEDOROVA, N.Ya. (Vladivostok)

Shallow foundations on heaving soils. Osn.fund.i mekh.grun. 2 no.2:17-19 '60. (MIRA 13:8)
(Foundations) (Soil physics)

FEDOROVA, N.Ya., kand. tekhn. nauk; FEDOROV, V.I., kand. tekhn. nauk; IFTINKA, G.A., red.; SHEVCHENKO, T.N., tekhn. red.

[Instructions for designing and constructing foundations and basements of buildings and installations on clay soils by the seam draining method] Ukazaniia po proektirovaniiu i ustroistvu fundamentov i podvalov zdanii i sooruzhenii v glinistykh gruntakh po metodu dreniruiushchikh prosloek. Moskva, Gosstroiizdat, 1963. 26 p. (MIRA 17:2)

1. Russia (1917- R.S.F.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Dal'nevostochnyy nauchno-issledovatel'skiy institut po stroitel'stvu Gosstroya RSFSR (for Fedorova). 3. Proyektnyy institut No.4 Dal'nevostochnogo sovnarkhoza (for Fedorov).

FEDOROVA, N.Ya.

Principles of designing the foundation beds and foundations for low buildings and structures in districts with deep seasonal freezing and extensive permanently frozen ground. Sbor. nauch. rab. DVNIIS no.3:87-93 '62.
(MIRA 17:5)

FEDOROVA, N. Ya.

"Biology of Fragaria Bucharica A. Los.," Dok. AN. 56, No. 4, 1947

FEDOROVA, N.Ya.

Natural variability of actinomyces strains producing streptomycin.
Mikrobiol. zhur. 22 no. 1:15-19 '60. (MIRA 13:10)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov, Moskva.
(ACTINOMYCES)

FEDOROVA, N.Ya.

Actinophage as a factor increasing variability in streptomycin producing actinomycer strains. Mikrobiol. zhur. 22 no. 3:40-46 '60. (MIRA 13:12)

1. Iz Vsesoyuznogo nauchno-issledovatel'skogo instituta antibiotikov, Moskva.

(BACTERIOPHAGE) (ACTINOMYCES)

FEDOROVA, N.Ya.; YEL'CHITS, S.V. [IEl'chyts', S.V.]

Regularities in the formation of vitamin B_{12} in the production of feed biomycins. Khar.prom. no.2:68-71 Ap-Je '62. (MIRA 15:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy promyshlennosti.

(Feeds) (Cyanocobalamine) (Chlortetracycline)

ASHKINUZI, Z.K.; FEDOROVA, N.Ya.; DRAZHNER, T.M.

Utilization of alkali protein waste waters and malt shoots in the production of feed biomycin. Khar.prom. no.3:61-64 Jl-S '62. (MIRA 15:8)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy promyshlennosti.
(Feeds) (Chlortetracycline)
(Distilling industries--By-products)

FEDOROVA, N.Ya.; SEMERNYA, V.M.; TKACHENKO, Ye.M.

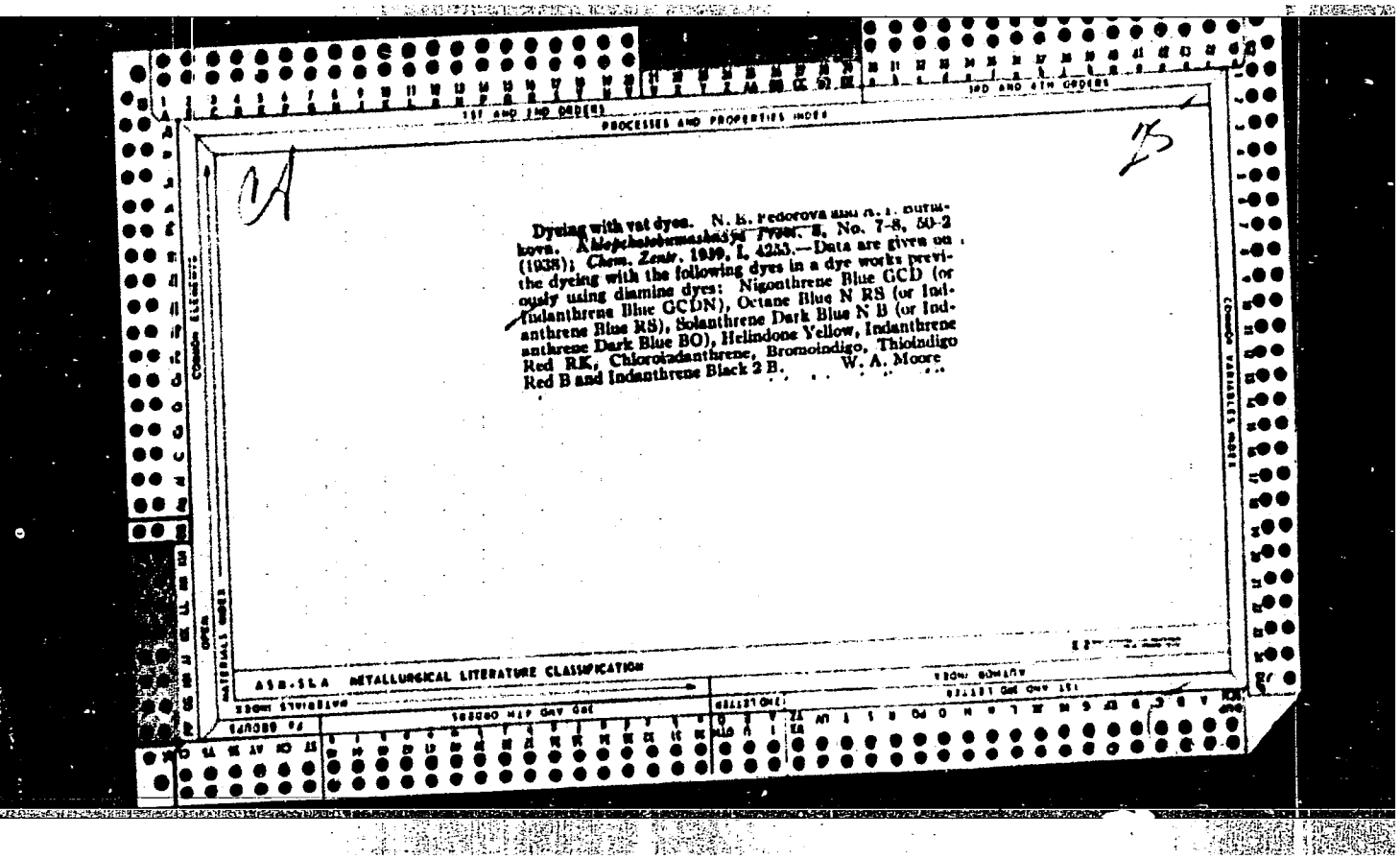
Use of a new strain of the chlortetracycline producer in the preparation of antibiotic feeds. Ferm. i spirt. prom. 30 no.2:33-34 '64. (MIRA 18:2)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti (for Fedorova). 2. Nemeshayevskiy zavod kormovykh antibiotikov (for Semernya, Tkachenko).

FEDOROVA, N.Ya.; BUY, T.T.; PISARCHUK, Ye.N.

Biosynthesis of chlortetracycline and vitamin B_{12} A.aureofaciens. Ferm. i spirt.prom. 30 no.4:45-47 '64. (MIRA 18:12)

1. Ukrainskiy nauchno-issledovatel'skiy institut spirtovoy i likero-vodochnoy promyshlennosti.



PROCESSES AND PROPERTIES INDEX

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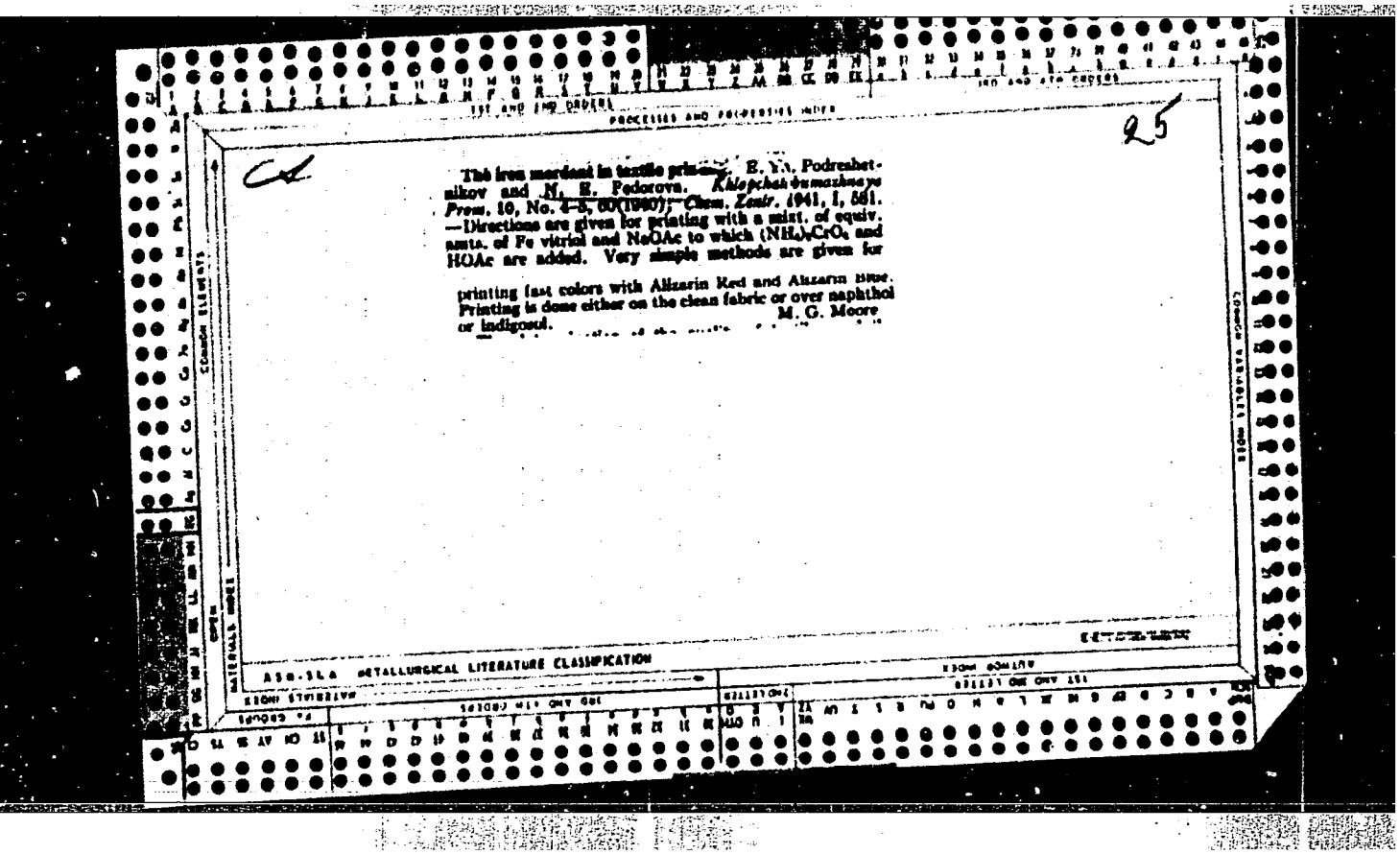
Dyeing with vat dyes. N. S. Fedorova and A. I. Gutmakhova. *Khlopchatobumazhnaya Prom.* 8, No. 7-8, 50-2 (1938); *Chem. Zentr.* 1939, I, 4255.—Data are given on the dyeing with the following dyes in a dye works previously using diamine dyes: Nigonthrene Blue GCD (or Indanthrene Blue GCDN), Octane Blue N RS (or Indanthrene Blue RS), Solanthrene Dark Blue N B (or Indanthrene Dark Blue BO), Helindone Yellow, Indanthrene Red RK, Chloroindanthrene, Bromoindigo, Thioindigo Red B and Indanthrene Black 2 B. W. A. Moore

A58-SLA METALLURGICAL LITERATURE CLASSIFICATION



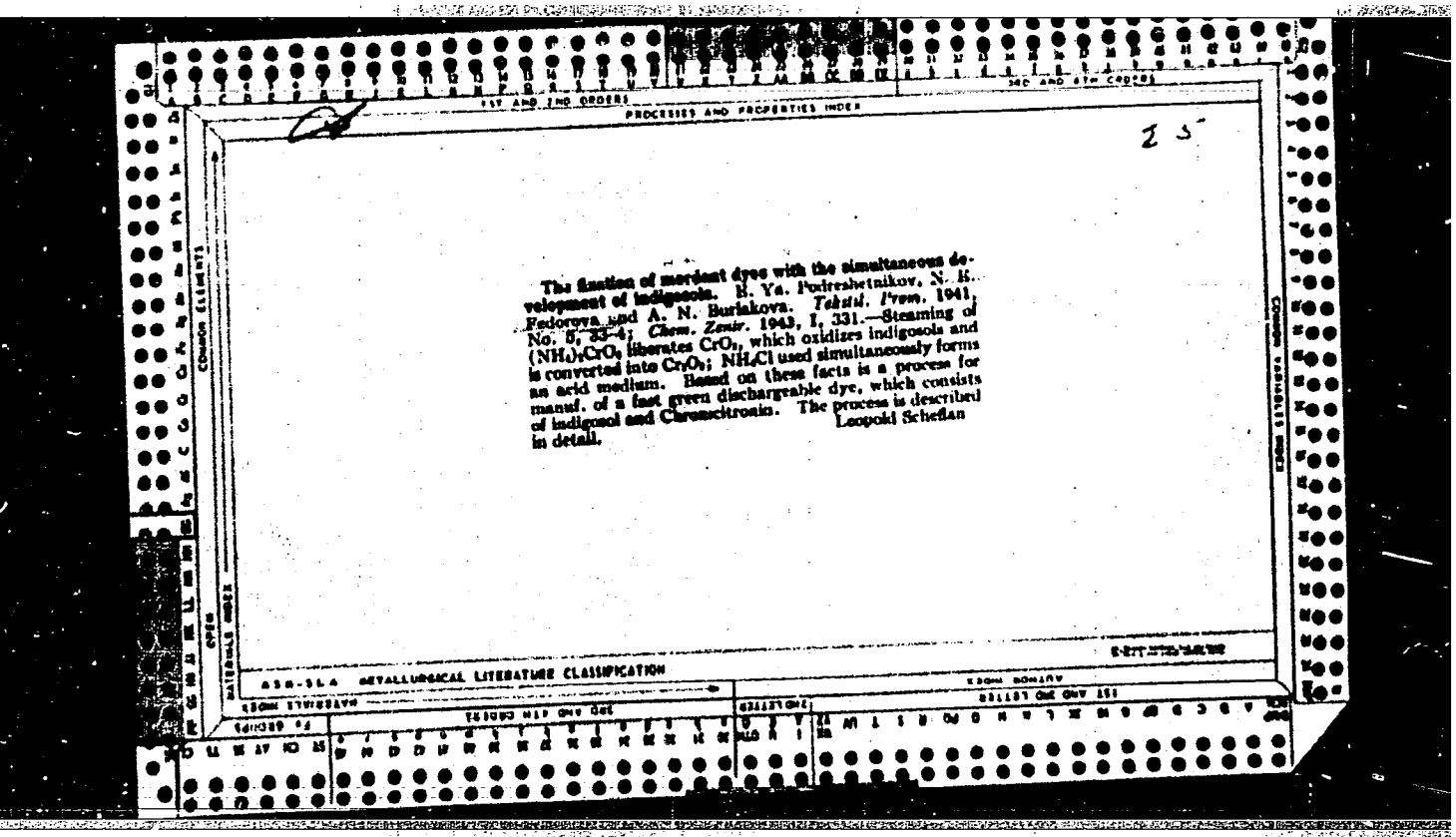
PROCESSES AND PREPARATIONS INDEX

25

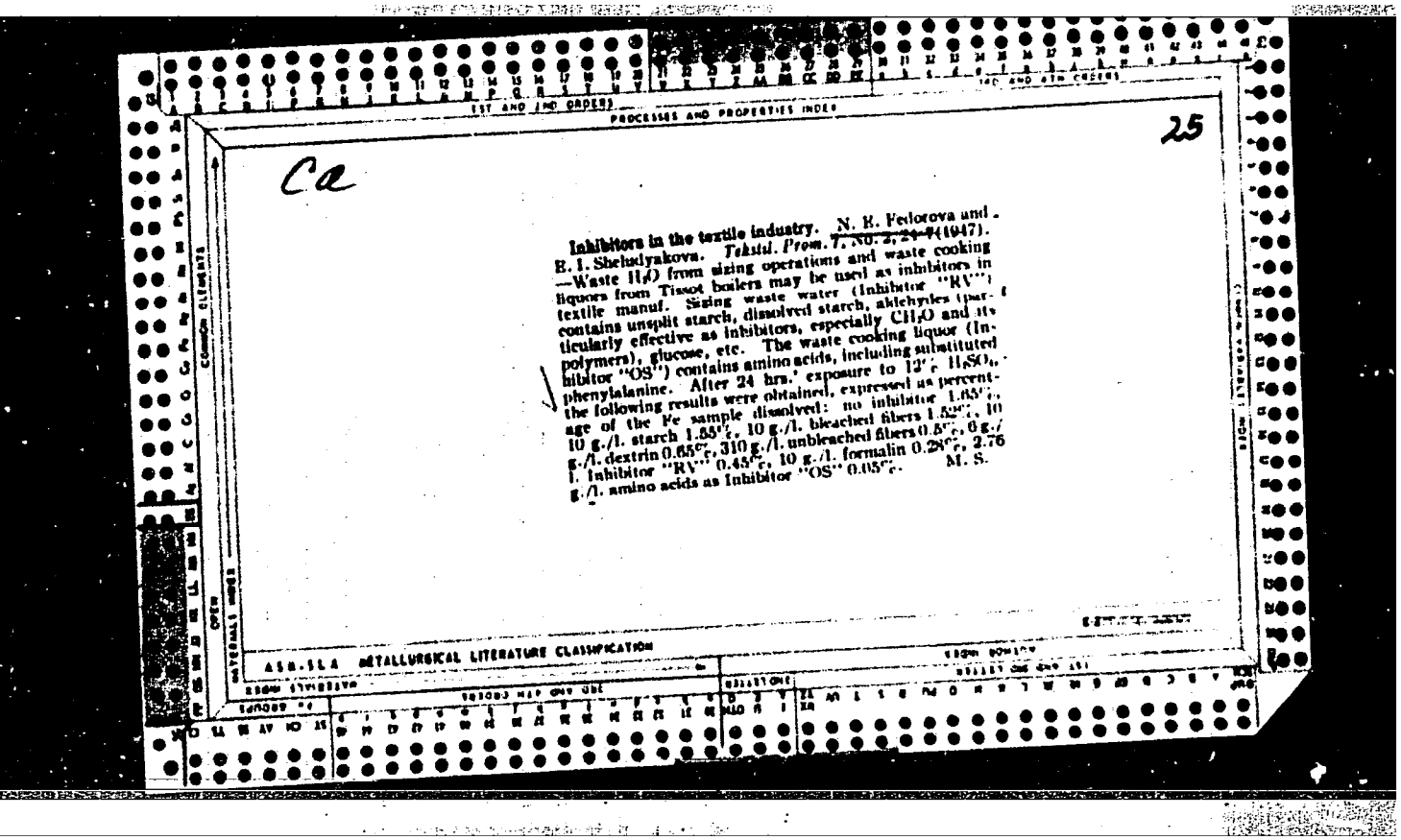
The iron mordant in textile printing. E. Y. Podrezhetnikov and N. E. Fedorova. *Khlopchatobumazhnaya Prom.* 10, No. 4-5, 60(1940); *Chem. Zentr.* 1941, I, 581. —Directions are given for printing with a mixt. of equiv. amts. of Fe vitriol and NaOAc to which $(NH_4)_2CrO_4$ and HOAc are added. Very simple methods are given for printing fast colors with Alizarin Red and Alizarin Blue. Printing is done either on the clean fabric or over naphthol or indigosol.

M. G. Moore

A58-91A METALLURGICAL LITERATURE CLASSIFICATION



The fixation of mordant dyes with the simultaneous development of indigosols. B. Ya. Podrabetnikov, N. K. Fedorova and A. N. Burlakova. *Tekstil. Prom.* 1941, No. 5, 33-4; *Chem. Zentr.* 1943, I, 331.—Steaming of $(NH_4)_2CrO_4$ liberates CrO_3, which oxidizes indigosols and is converted into Cr_2O_3; NH_4Cl used simultaneously forms an acid medium. Based on these facts is a process for manuf. of a fast green dischargeable dye, which consists of indigosol and Chromocitronin. The process is described in detail. Leopold Scheflan



PROCESSES AND PROPERTIES INDEX

25

Ca

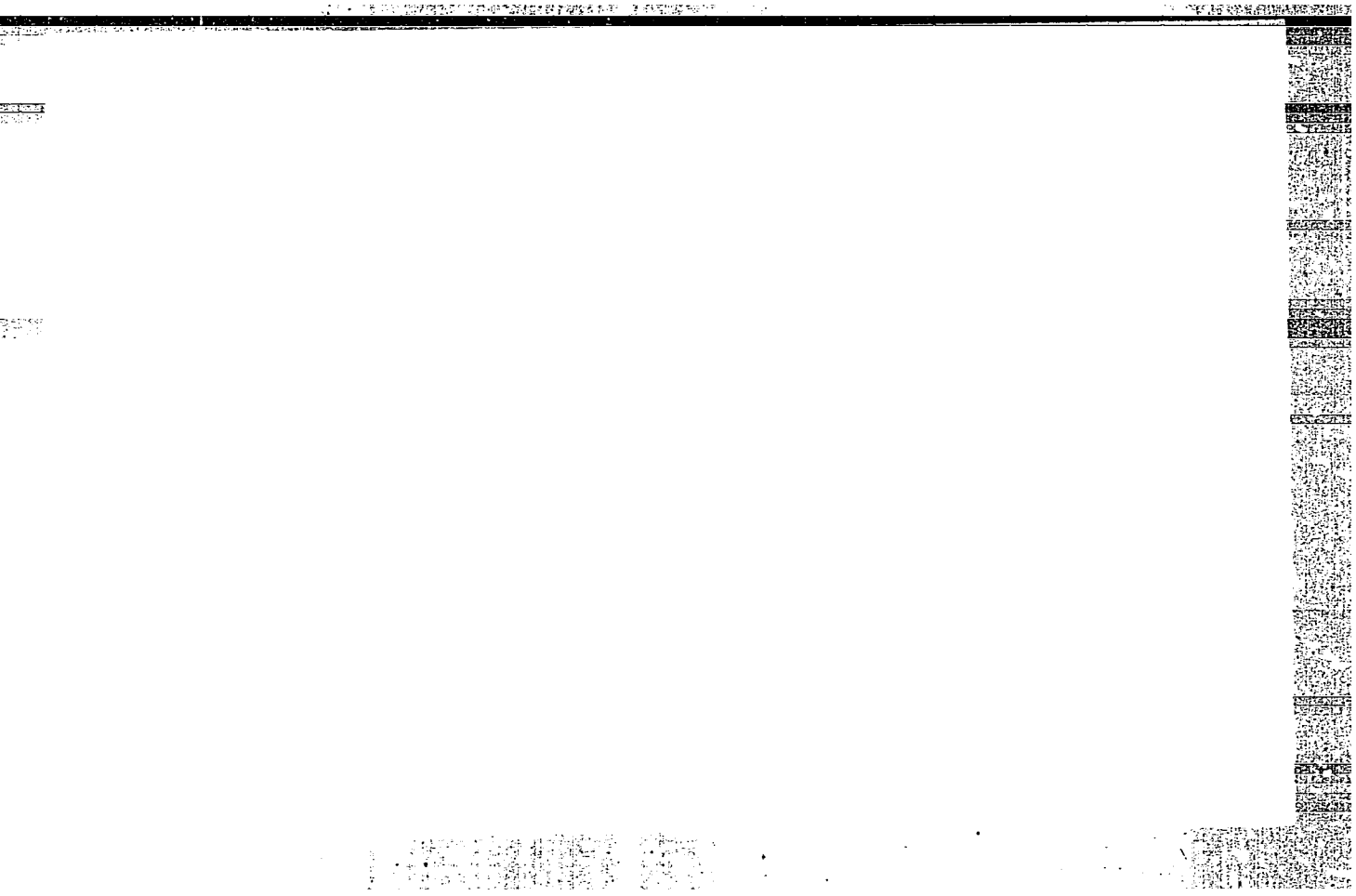
Inhibitors in the textile industry. N. K. Fedorova and E. I. Shchadyakova. *Tekstil. Prom.* 7, No. 2, 24–9 (1947).—Waste H_2O from sizing operations and waste cooking liquors from Tissot boilers may be used as inhibitors in textile manuf. Sizing waste water (inhibitor "RV") contains unsplit starch, dissolved starch, aldehydes (particularly effective as inhibitors, especially CH_2O and its polymers), glucose, etc. The waste cooking liquor (inhibitor "OS") contains amino acids, including substituted phenylalanine. After 24 hrs.' exposure to 12% H_2SO_4, the following results were obtained, expressed as percentage of the Fe sample dissolved: no inhibitor 1.65%, 10 g./l. starch 1.55%, 10 g./l. bleached fibers 1.52%, 10 g./l. dextrin 0.65%, 310 g./l. unbleached fibers 0.5%, 6 g./l. inhibitor "RV" 0.45%, 10 g./l. formalin 0.28%, 2.75 g./l. amino acids as inhibitor "OS" 0.05%. M. S.

A58.5L4 METALLURGICAL LITERATURE CLASSIFICATION

FEDOROVA, N. YE

23372 Smyvayemost' Zagustok S T kani. (12 Opyta Fabriki Bim).. Tekstil. Prom-st', 1949, No. 7, c. 31-34.

SO: LETOPIS NO. 31, 1949



APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041271(

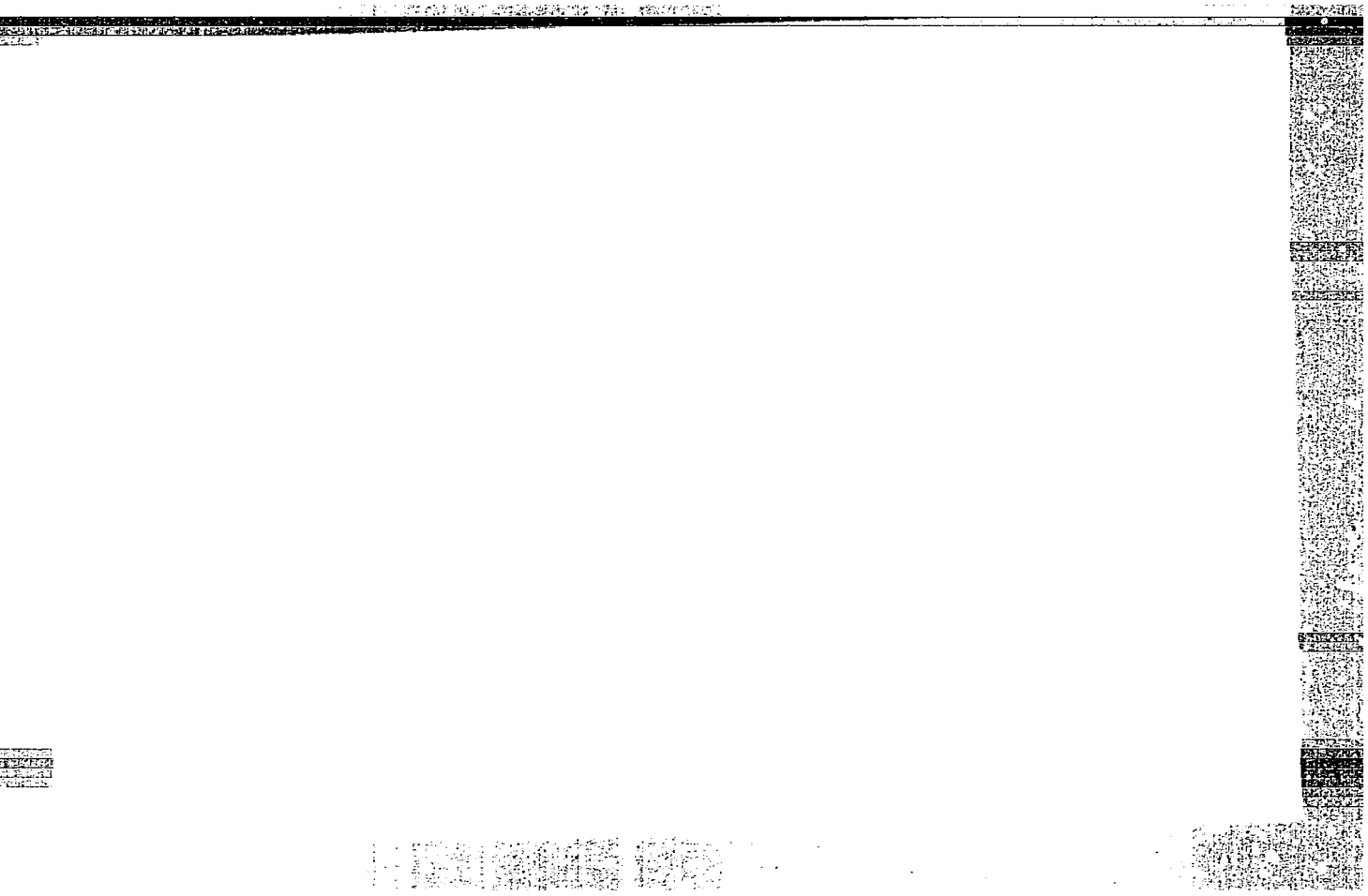
(2) 3

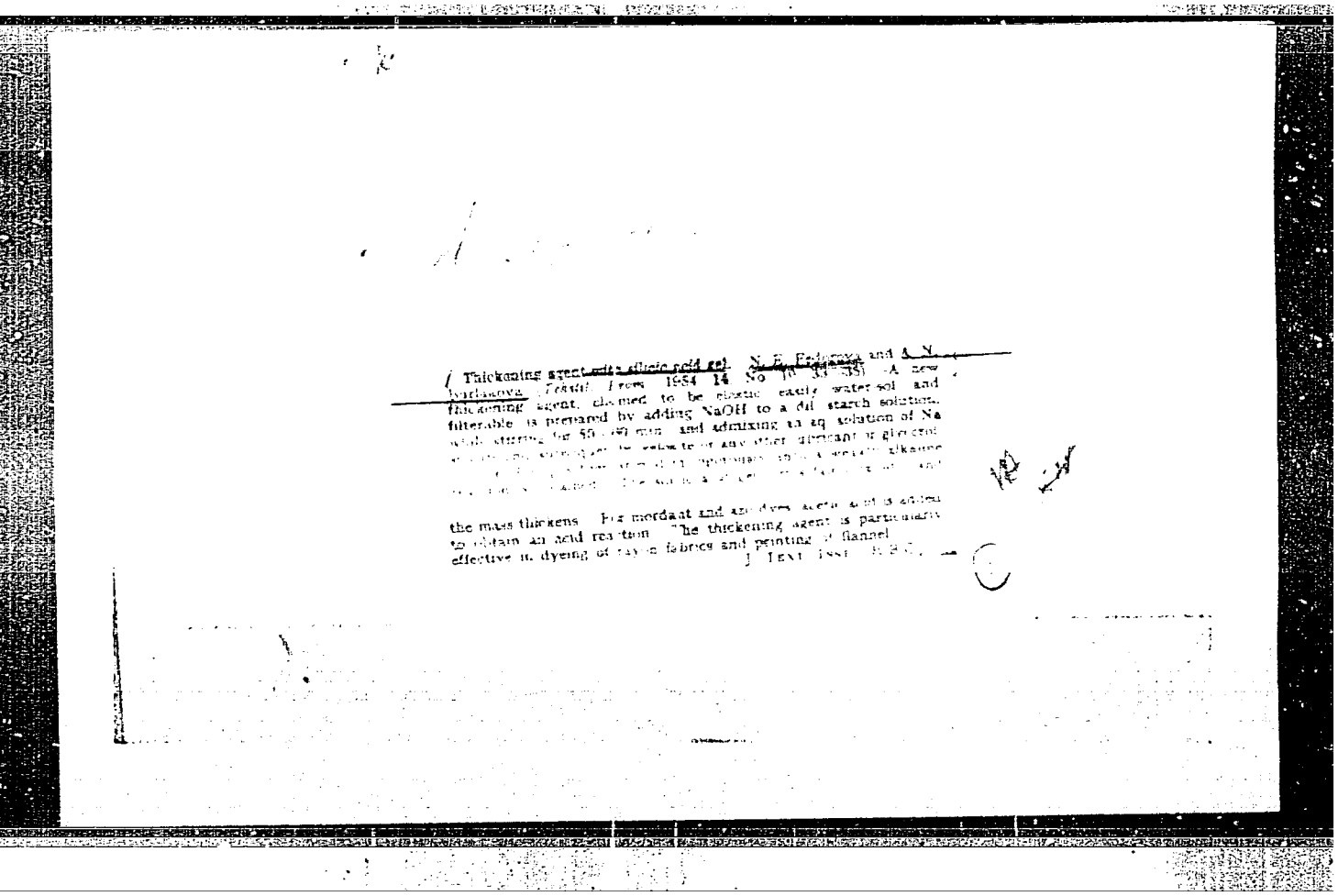
Stable diazo compounds. N. E. Fedorova and E. I. Sheludyakova. *Tekstil. Prom.* 14, No. 1, 46–8(1954).—In dyeing with ice dyes, stable active diazo compds. are used. They are obtained by addn. of $ZnCl_2$, $CdCl_2$, naphthalenesulfonic acids, etc. to diazonium hydrochlorides. For ruby shades, an Azoamine Ruby G, 4-nitro-2-amino toluene (I), is used. A stable salt of diazotized I can be obtained by treating I in soln., contg. 4 moles HCl per mole amine, with dry ZnO in an amt. equiv. to 1 mole HCl. The isolated double salt is water-sol., neutral to Congo red, and easily coupled with Azotol A. It dyes the fabric flame-red.
Elisabeth Barabash

FEDOROVA, N.Ye.; SHELUDYAKOVA, Ye.I.

Neutralizing diazo-solutions with chalk. Tekst.prom.14 no.2:26-29 F '54. (MLRA 7:5)

1. Khimicheskaya laboratoriya fabriki BIM. (Dyes and dyeing)





Thickening agent with alkalic acid gel. N. P. Fedorova and A. N. Sytchova. *Textil. Prom.* 1954, 14, No. 10, 34-35. A new thickening agent, claimed to be plastic, easily water-sol and filterable, is prepared by adding NaOH to a dil. starch solution with stirring for 55-60 min. and admixing an aq. solution of Na [illegible] the mass thickens. For mordant and azo dyes acetic acid is added to obtain an acid reaction. The thickening agent is particularly effective in dyeing of rayon fabrics and printing of flannel.

[illegible]

FEDOROVA, Nina Emel'yanovna; KHORETSKIY, Nikolay Oskarovich; BELEN'KIY, L.I., kandidat tekhnicheskikh nauk, redaktor; GUSEVA, Ye.M., redaktor; KONOPLEVA, A.I., retsentzent; NEKRASOVA, O.I., tekhnicheskiy redaktor

[Technical control in cotton finishing production] Tekhnicheskii kontrol' v khlopchatobumazhnom otdelochnom proizvodstve. Moskva, Gos. nauchno-tekhn. izd-vo Ministerstva tekstil'noi promyshl. SSSR, 1955. 291 p. (Cotton finishing) (MLRA 9:2)

USSR

Printing with diphenyl black dyes. N. K. Fedorova and I. B. Migacheva. *Tekstil. Prom.* 13, No. 3, 30-2 (1953).—p-Aminodiphenylamine (I) or its HCl can be used successfully in place of Aniline Black for printing cotton fabrics with no degradation of the latter, in the presence of Leucotrope O (II). Thus the printing dye remains neutral or weakly acid until passage through the developing bath where II decomp., giving off HCl necessary for oxidation of I. The following compn. of the printing paste is recommended: To a smooth paste of I 60, $(CH_2OH)_2$ 40, and 30% HOAc 120 g. is added a thickener 450, $KClO_3$ 50, H_2O dry II 80, and H_2O 100 g. After printing and drying the fabric is kept 1-3 min. at 98-100° in the oxidation-developing bath, washed with cold H_2O, soap, and Na_2CO_3, and then with hot and cold H_2O. Elisabeth Barab...

FEDOROVA, N.Ye.; VOROB'YEVA, A.N.

New methods for achieving color fastness. Tekst. prom. 18 no.2:42-45 F '58. (MIRA 13:3)
(Textile fabrics) (Dyes and dyeing)

FEDOROVA, Nina Yemel'yanovna; IVANOV, P.P., red.; PANKRATOV, A.I., tekhn.red.

[Chemical substitutes for edible raw products used in the textile industry] Khimicheskie zameniteli pishchevogo syr'ia v tekstil'noi promyshlennosti. Ivanovo, Ivanovskoe knizhnoe izd-vo, 1959. 35 p. (MIRA 13:5)
(Textile chemistry)

FEDOROVA, N.Ye.; MORYGANOV, P.V.

Single bath method for bleaching cotton fabrics with highly stable hydrogen peroxide solutions in boiling pans. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.4:129-137 '60. (MIRA 13:9)

1.Ivanovskiy khimiko-tekhnologicheskiy institut.
(Bleaching) (Cotton fabrics)

FEDOROVA, N.Ye.; MORYGANOV, P.V.

Bleaching of cotton fabrics with high stability hydrogen peroxide solutions. Tekst. prom. 20 no. 12:32-36 D '60. (MIRA 13:12)

(Bleaching agents) (Cotton fabrics)

FEDOROVA, N.Ye.; MORYGANOV, P.V.

Continuous single-bath method of bleaching cotton fabrics with high-stability peroxide solutions. Izv. vys. ucheb. zav.; tekh. teks. prom. no. 2:96-103 '61. (MIRA 14:5)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.
(Bleaching)

FEDOROVA, N.Ye., dotsent; MORYGANOV, P.V., doktor tekhn.nauk, prof.; Prinimali uchastiye: BROVTSEV, V.V.; BOLOTOVA, A.A.; KISELEVA, L.M., inzh.; VINOGRADOVA, V.A., inzh.; LOBANOVA, S.K., studentka

Continuous method of bleaching cotton fabrics. Tekst.prom. 21 no.6:50-54 Je '61. (MIRA 15:2)

1. Ivanovskiy khimiko-tekhnologicheskiy institut (for Fedorova, Lobanova). 2. Glavnyy inzh. fabriki "Krasnaya Talka" (for Brovtsev).

(Bleaching)

KATSMAN, I.M.; FEDOROVA, N.Ye.

Economic efficiency of an intensified bleaching of cotton fabrics. Izv.vys.ucheb.zav.; tekh.tekst.prom. no.1:11-17 '62. (MIRA 15:3)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.
(Cotton fabrics) (Bleaching)

FEDOROVA, N. Ye.; MORYGANOV, P. V.; KOMANDAKOVA, L. A.

Mechanism of the action of the stabilizers of hydrogen peroxide alkali solutions and its practical application. Izv. vys. ucheb. zav.; tekh. tekst. prom. no.4:76-83 '62. (MIRA 15:10)

1. Ivanovskiy khimiko-tekhnologicheskiy institut.

(Bleaching) (Hydrogen peroxide)

CA FEDOROVA, N. Ye.

The chemical composition of atmospheric waters. E. S. Barkser and N. K. Fedorova (T. G. Shevchenko State Univ., Kiev). *Gidrokhim. Materialy* (*Hydrochem. Materials*) 16, 107–12(1949).—Samples were collected in various parts of the Ukraine. Av. results are as follows: Ca 8.65 Mg 2.51, Cl 2.36, S 3.21, and C 5.88 × 10⁻⁴% on a wt basis. B. Z. Kamich

BUKSER, Ye.S.; FEDOROVA, N.Ye.; ZAYDIS, B.B.

Chemical analysis of water in small samples or with low mineralization. Ukr.khim.zhur.17 no.1:8-21 '51. (MLRA 9:9)

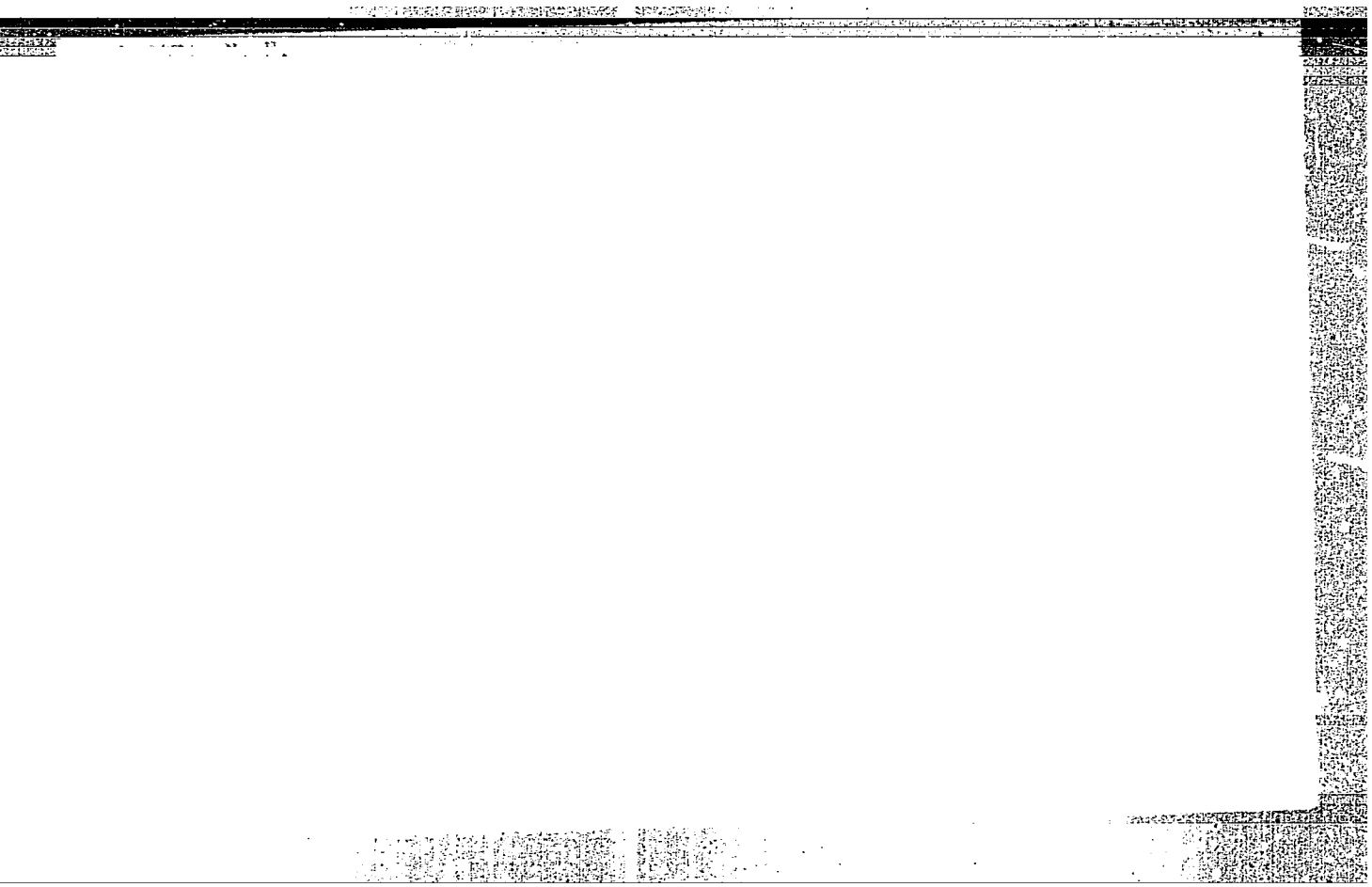
1.Kiyevskiy gosudarstvennyy universitet i Institut geologicheskikh nauk Akademii nauk Ukrainskoy SSR.
(Water--Analysis)

FEDOROVA, N.Ye. --

"Chemical and Isotopic Composition of Atmospheric Deposits in the USSR." Cand Chem Sci, Novocherkassk Polyechnic Inst, Novocherkassk, 1954. (RZhKhim, No 20, Oct 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (10)

SO: Sum No. 481, 5 May 55



BURKSER, Ye.S.; FEDOROVA, N.Ye.

Role of the chemical composition of atmospheric precipitation in the formation of natural waters. Gidrokhim.mat. 24:81-83 '55. (MIRA 9:4)

1.Institut geologicheskikh nauk Akademii nauk USSR, Kiyev.
(Water, Underground) (Water--Analysis)

FEDOROVA, N. Ye.

DUROV, S.A.; FEDOROVA, N.Ye.

Sources of the ion and salt composition of atmospheric precipitation in the U.S.S.R. Dokl. AN SSSR 103 no.4:663-665 Ag'55. (MLRA 8:11)

1. Novocherkasskiy politekhnicheskiy institut imeni Sergo Ordzhonikidze i Krivorozhskiy gornorudnyy institut. Predstavleno akademikom N.M.Strakhovym.

(Precipitation (Meteorology))

FEDOROVA, O.

Some problems of the stimulation of student participation.
Prof.-tekh. obr. 21 no.11:13-15 N '64 (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut professional'no-tekhnicheskogo obrazovaniya.

FEDOROVA, O.A.

MAMONOVA, I.S.; FEDOROVA, O.A.

Modernization of the heterogeneous series in the study of bacteria of the intestinal group. Zhur.mikrobiol.epid.i immun. no.8:89 Ag '54. (MLRA 7:9)

1. Iz Moskovskogo instituta epidemiologii i mikrobiologii i sanitarno-epidemiologicheskoy stantsii Pervomayskogo rayona Moskvy.
(BACTERIA)

TOPOLYANSKAYA, S.I.; FEDOROVA, O.A.; MASLOVSKAYA, O.I.

Spreading of Salmonella in a district. Zhur. mikrobiol., epid. i immun. 40 no.2:108-109 F '63. (MIRA 17:2)

1. Iz sanitarno-epidemiologicheskoy stantsii Kalininskogo rayona Moskvy.

FEDOROVA, O.A.

USSR/Farm Animals. - Reindeer Q-4

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 26195

Author : Fedorova O.A.
Inst : Not Given
Title : The Value of Hay in the Rations of Reindeer (Znachoniye sena v ratsionakh severnogo olenya)

Orig Pub : Tr. N.-i. in-ta s.kh. Kraym. Severa, 1956, 2, 73-87

Abstract : In the experiments of feeding different rations to the working and non-working reindeer, it was established that when the rations consist of hay mixed with Iceland moss and concentrates, the digestibility of mineral and nitrogenous substances increases, and that of carbohydrates decreases. The positive effect of feeding hay was observed when the hay did not exceed 25% of the dry substances of ration. Diving of the feed (ration no 31), containing up to 40% of the coarse-stalky hay, was associated with a decrease of efficiency and depression of the general condition of the reindeer. It is recommended to feed fine-stalky hay to reindeer.

Card : 1/1

FEDOROVA O. A.

USSR / Farm Animals. Reindeer. Q-3

Abs Jour: Ref Zhur-Biol., No 23, 1958, 105734.

Author : Fedorova, O. A.
Inst : Scientific Research Institute of Agriculture of the Extreme North.
Title : Feed Requirements of Reindeer in Wintertime.

Orig Pub: Byul. nauchno-tekhn. inform. N.-i. in-t s. kh. Krayn. Severa, 1957, No 2, 5-6.

Abstract: The standard feed requirements for grazing reindeer at different consistencies of snow cover during the first and second half of winter are given. At the end of winter the requirement of reindeer in nutritive substances is higher than at the start of it by 35%.

Card 1/1

TOPOLYANSKAYA, S. I., FEDOROVA, O. A., LITSKAYA, E. G.

Familial toxicoinfections caused by Salmonella Eastbourne. Zhur. mikrobiol., epid. i immun. 32 no.9:140 S '61. (MIRA 15:2)

1. Iz sanitarno-epidemiologicheskoy stantsii Kalininskogo rayona Moskvy.

(SALMONELLA)

TOPOLYANSKAYA, S.I.; FEDOROVA, O.A.; NUKHNAREVICH, A.F.; BRONSHTEYN, R.B.; GRINBERG, TS.B.; NIKOLAYEVA, K.G.; SPERANSKAYA, K.I.; IVANOVA, V.N.; KISELEVA, V.P.; VIL'SHANSKAYA, F.L.; MATVEYEVA, V.N.

Finds of Salmonella reading. Zhur. mikrobiol. epid. i immun. 32 no.7:123 Je '61. (MIRA 15:5)

1. Iz sanitarno-epidemiologicheskoy stantsii Kalininskogo rayona Moskvy i Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.
(SALMONELLA READING)

SMIRNOVA-MUTUSHEVA, M.A.; KAGANOVSKAYA, S.N.; LITINSKIY, Yu.I.; MARKUS, V.D.; SHUL'MAN, E.A.; DOVZHIK, R.M.; FEDOROVA, O.A.

Bacteriological diagnosis of salmonellosis. Lab. delo 8 no.10: 48-49 '62 (MIRA 17:4)

1. Laboratoriya Moskovskoy gorodskoy sanitarno-epidemiologicheskoy stantsii i sanitarno-epidemiologicheskiye stantsii Kalininskogo, Moskvoretskogo i Leninskogo rayonov.

TOPOLYANSKAYA, S.I.; BELOVA, N.D.; PUKHNAREVICH, A.F.; FEDOROVA, O.A.

Phage prophylaxis of dysentery in day nurseries. Zhur.mikrobiol., epid. i immun. 42 no.9:124-125 S '65.

(MIRA 18:12)

1. Sanitarno-epidemiologicheskaya stantsiya Kalininskogo rayona Moskvy. Submitted June 30, 1964.

FEDOROVA, O.D.

Attachment of diaphragm flap to cardia in the surgical treatment of of cardiospasm (according to Petrovsky). Acta chir. plast. (Praha) 6 no.4:279-284 '64.

1. Surgical Clinic, First Moscow Medical Institute, Moscow (U.S.S.R.) (Director: Prof. B.V. Petrovsky, act. mem. of Academy of Medical Sciences, U.S.S.R.).

Fedorova O.D.

FEDOROVA, O.D.

Late results hollowing transthoracic esophagofundoanastomosis in cardiospasm [with summary in English]. Khirurgiia 33 no.10:123-128 O '57. (MIRA 11:2)

1. Iz fakul'tetskoy khirurgicheskoy kliniki i periatricheskogo fakul'teta (zav. - prof. B.V.Petrovskiy) II Moskovskogo gosudarstvennogo meditsinskogo instituta i 1-go khirurgicheskogo otdeleniya Gorodskoy klinicheskoy bol'nitsy No.2 (glavnyy vrach A.I.Khromova)

(CARDIOSPASM, surg.
transthoracic esophagofundoanastomosis, remote results (Rus))
(ESOPHAGUS, surg.
transthoracic esophagofundoanastomosis in cardiospasm, remote results (Rus))
(STOMACH, surg.
same)

FEDOROVA, O.D.

Clinical picture and diagnosis of cardiospasm. Sov.med. 22 no.5: 83-88 My '58 (MIRA 11:7)

1. Iz fakul'tetskoy khirurgicheskoy kliniki pediatricheskogo fakul'teta (nav. - prof. B.V. Petrovskiy) II Moskovskogo meditsinskogo instituta imeni N.I. Pirogova i pervogo khirurgicheskogo otdeleniya Gorodskoy klinicheskoy bol'nitsy No.2 (glavnyy vrach A.I. Khromova).
(CARDIOSPASM,
diag. & clin. manifest (Rus))

FEDOROVA,O.D., Cand Med Sci —(diss)" Certain problems of the surgical treatment of cardiospasm." Mos, 1959. 18 pp (First Mos Order of Lenin Med Inst im I.M. Sechenov), (KL,27-39,123)

FEDOROVA, O.D.

Peptic esophagitis as a complication of esophagofundoanastomosis.
Khirurgiia 36 no.1:93-99 Ja '60. (MIRA 13:10)
(ESOPHAGUS--DISEASES) (CARDIOSPASM)

FEDOROVA, O.D.

Cyst of the vermiform process. Azerb. med. zhur. no. 2:75-77 F '61. (MIRA 14:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. -deystvitel'nyy chlen AMN SSSR, prof. B.V.Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta im. I.M. Sechenova.
(APPENDIX (ANATOMY)—SURGERY) (CYSTS)

FEDOROVA, O. D., kand. med. nauk, Moskva, Leningradskiy pr., d. 75, kv. 344

Cardiospasm and diverticulum of the esophagus. Vest. khir. no.2: 19-24 '62. (MIRA 15:2)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. B. V. Petrovskiy) 1-go Moskovskogo ordena Lenina meditsinskogo instituta im. I. M. Sechenova.

(CARDIOSPASM) (ESOPHAGUS--DIVERTICULA)

FEDOROVA, O.D., kand.med.nauk (Moskva, A-57, Leningradskiy pr., d.75, kv.344)

Cardiospasm and its complications. Nov.khir.arkh. no.4:11-16 '62. (MIRA 15:5)

1. Kafedra gospital'noy khirurgii (zav. - prof. B.V. Petrovskiy) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M. Sechenova.

(CARDIOSPASM)

PETROVSKIY, B.V., prof.; FEDOROVA, O.D., kand. med. nauk

Effors and hazards in the surgical treatment of cardiospasm. Khirurgiia 39 no.6:3-10 Je '63. (MIRA 17:5)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - deystvitel'nyy chlen AMN SSSR prof. B.V. Petrovskiy) I Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

FEDOROVA, O.D., kand.med.nauk (Moskva, Leningradskiy prospekt, 75, kv.344)

Hernias of the anterior portion of the diaphragm. Vest. khir. 92 no.3: 131-134 Mr '64. (MIRA 17:12)

1. Iz gospital'noy khirurgicheskoy kliniki (zav. - prof. B.V.Petrovskiy) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

FEDOROVA, O.F. (g. Leningrad); SHUL'NIKOVA, A.Ye. (g. Leningrad)

Experience derived from the conduction of an excursion of a class on physics and chemistry. Fiz. v shkole 14 no.5:74-77 S-O '54. (MLRA 7:9)
(Physics--Study and teaching) (School excursions) (Chemistry--Study and teaching)

FEDOROVA, O. F.

"Industrial Tours in Eighth to Tenth Grades of High School as a Method of Polytechnical Education." Leningrad State Pedagogic Inst imeni A. I. Gertsen, Leningrad, 1955. (Dissertation for the Degree of Candidate in Pedagogical Sciences)

SO: M-955, 16 Feb 56

FEDOROVA, O.I., kandidat pedagogicheskikh nauk, redaktor; PANICH, M.S., redaktor; LEVONEVSKAYA, L.G., tekhnicheskiy redaktor

[School and labor; a collection of papers on polytechnical training in school] Shkola i trud; sbornik o politekhnicheskom obuchenii v shkole. [Leningrad] Lenizdat, 1957. 202 p. (MIRA 10:11)
(Technical education)

FEDOROVA, O.F.

Some questions concerning organization and content of industrial practice for students. Politekh. obuch. no.5:34-37 My '58. (MIRA 11:5)

1. Leningradskiy institut pedagogiki.
(Field work (Educational method))

FEDOROVA, O.F.; RAYKHMAN, A.G.

Practice in assembling and dismantling in the course on mechanical engineering for the eighth grade. Politekh.obuch. no.11:51-56 N '58. (MIRA 11:12)

1. Srednyaya shkola No.157 g. Leningrada.
(Mechanical engineering--Study and teaching)

FEDOROVA, O.F.

Some ways to improve the industrial training of senior students. Politekh.obuch. no.11:19-22 N '59. (MIRA 13:2)

1. Leningradskiy institut pedagogiki.
(Vocational education)
(Field work(Educational method))

KRIVONOS, I.F.; FEDOROVA, O.F., kand. pedagog. nauk, red.; SHIBANOV, P.M., red.; DOBROKVASHINA, A.M., tekhn. red.

[School building team] Shkol'naia stroitel'naia brigada; iz opyta raboty Starogutnianskoi srednei shkoly Brianskoi oblasti. Pod red. O.F.Fedorovoi. Moskva, Izd-vo Akad. pedagog. nauk, 1961. 51 p. (MIRA 14:12)

(Building trades--Study and teaching)

FEDOROVA, Ol'ga Fedorovna; KOPTEKOVA, L.A., red.; TARASOVA, V.V., tekhn. red.

[Some aspects of the improvements of professional qualification of evening (staggered) school students] Nekotorye voprosy povysheniia professional'noi kvalifikatsii uchashchikhsia vechernikh (smennykh) shkol. Moskva, 1963. 116 p. (MIRA 17:3)

BOYEV, M.M.; FEDOROVA, O.G.

Great life of the "Spartak" plant. Za indus.Riaz. no.2:27-29 D '61. (MIRA 16:10)

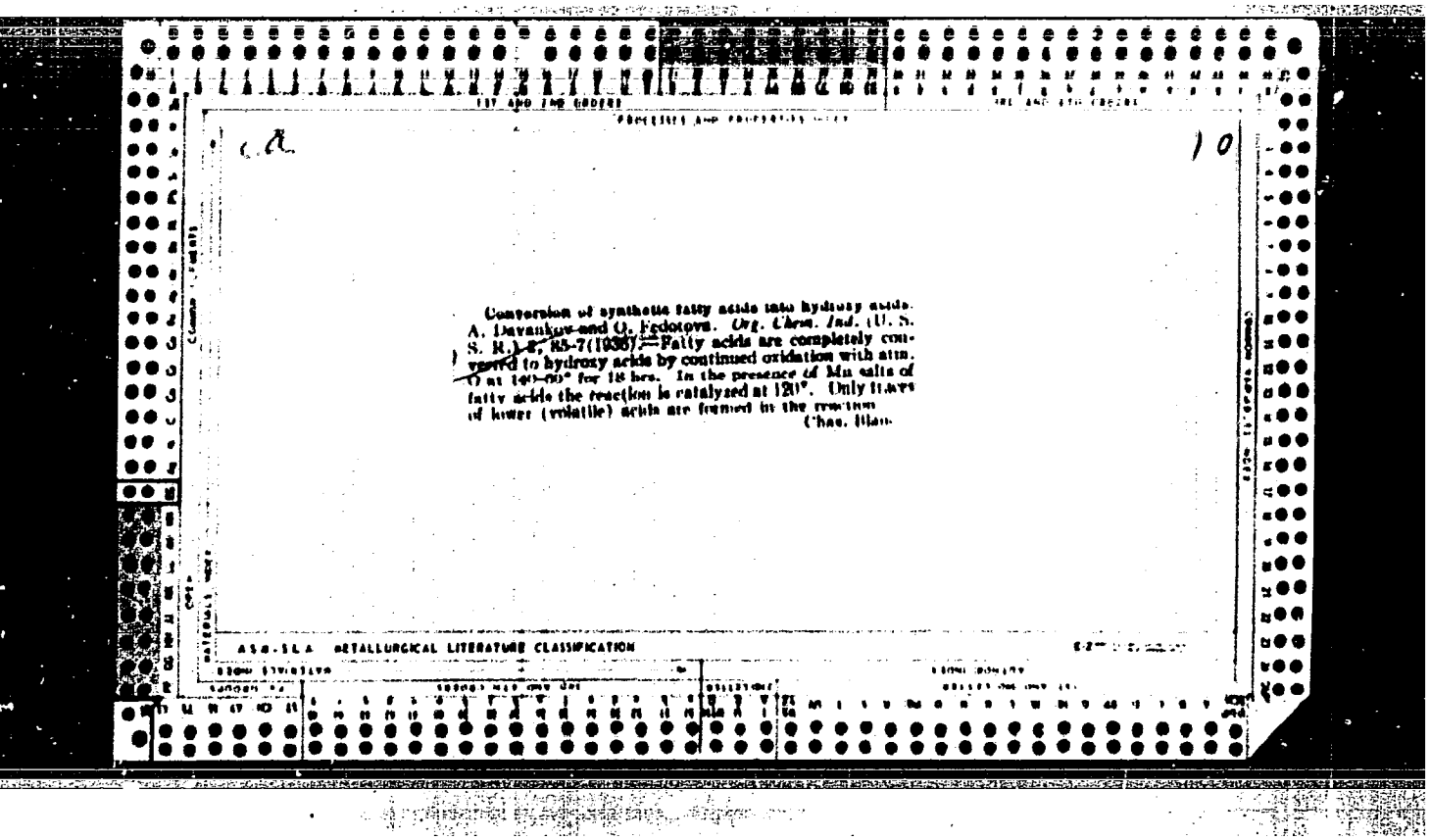
1. Nachal'nik otdela truda i zarabotnoy platy tsementnogo zavoda "Spartak" (for Boyev). 2. Otvetstvennyy sekretar' mnogotirazhnoy gazety "TSementnik" (for Fedorova).

FEDOROVA, O.K., Cand Med Sci -- (diss) "Certain immunological reactions in patients with chronic tonsillitis." Mos, 1958, 12 (Min of Health RSFSR. Mos Med Stomatological Inst) 200 copies (KL, 27-58, 11)

FEDOROVA, O. M.

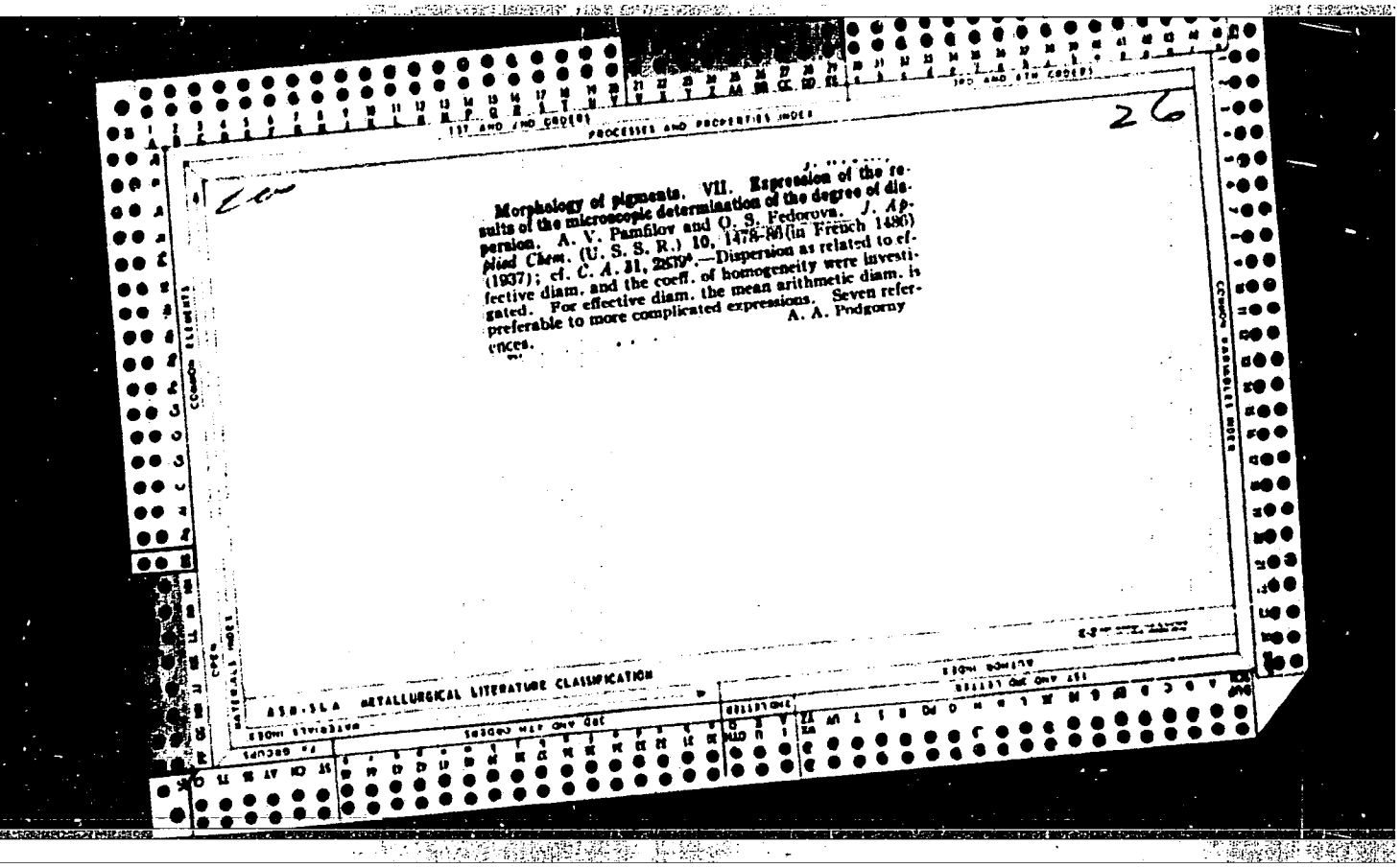
"Toward the Ecology of Nitrosomonas," a paper delivered at the Conf. of Young Specialists, Inst. Microbiology, AS USSR, Mikrobiol., 25, No.1, p. 134, 1956

Translation U-8982, 9 Oct 56



Conversion of synthetic fatty acids into hydroxy acids. A. Davankov and O. Fedotova. *Org. Chem. Ind.* (U. S. S. R.) 5, 85-7(1938).—Fatty acids are completely converted to hydroxy acids by continued oxidation with atm. O at 140–50° for 18 hrs. In the presence of Mn salts of fatty acids the reaction is catalyzed at 120°. Only traces of lower (volatile) acids are formed in the reaction. Chas. Blanc

A.S.T.M.-S.L.A. METALLURGICAL LITERATURE CLASSIFICATION



Morphology of pigments. VII. Expression of the results of the microscopic determination of the degree of dispersion. A. V. Pamfilov and O. S. Fedorova. *J. Applied Chem.* (U. S. S. R.) 10, 1474-80 (in French 1480) (1937); cf. *C. A.* 31, 2859⁸.—Dispersion as related to effective diam. and the coeff. of homogeneity were investigated. For effective diam. the mean arithmetic diam. is preferable to more complicated expressions. Seven references. A. A. Podgorny

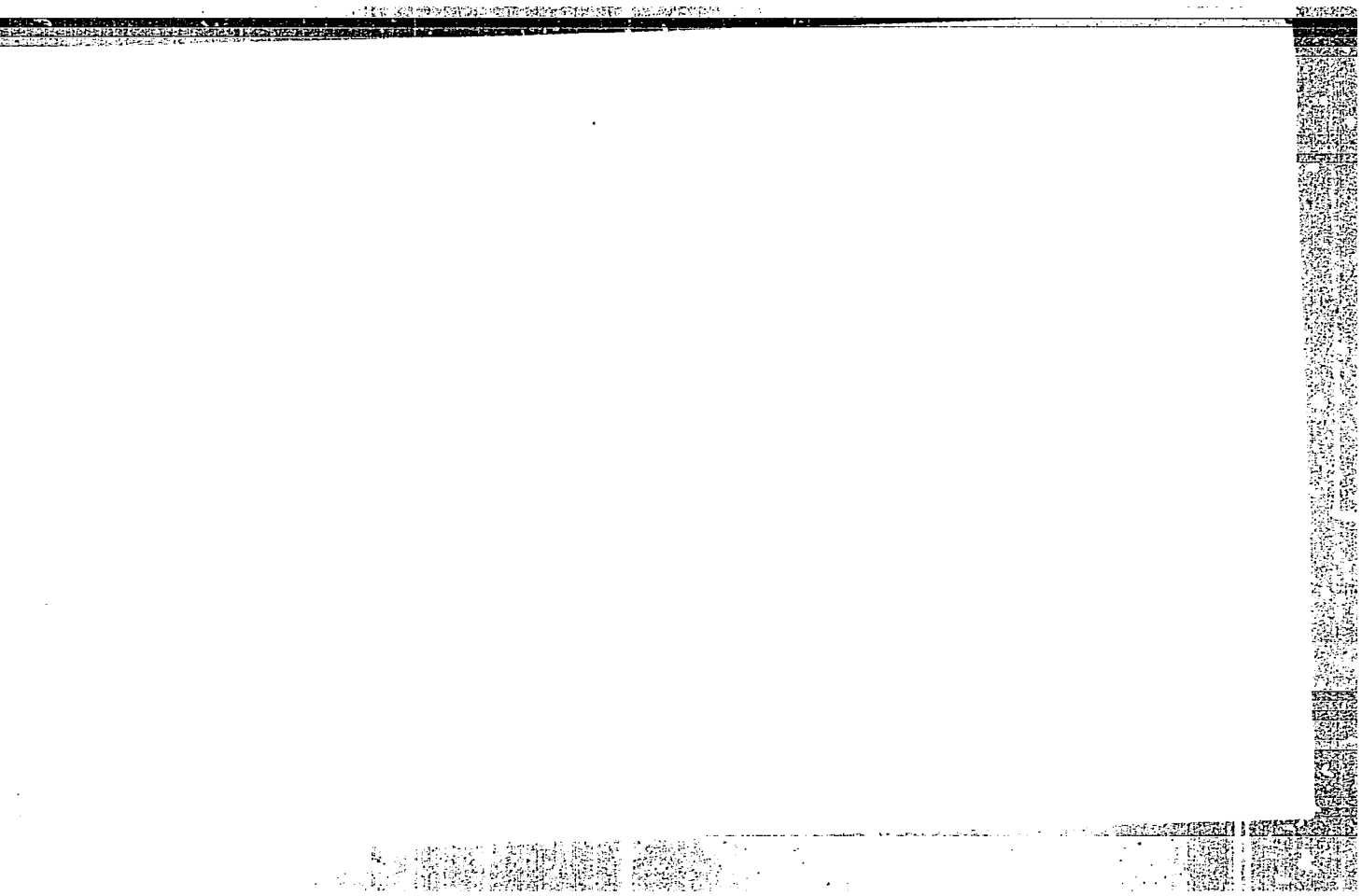
PROCESSES AND PROPERTIES INDEX

CA

30

A method for the determination of water in synthetic rubber based on the thermal effect of its absorption by anhydrous cupric sulfate. A. Gulyaeva and O. Fedorova. *Sbornik Trudov Opytnogo Zavoda im. S. V. Lebedeva* 1938, 31-5; *Khim. Referat. Zhur.* 2, No. 5, ... The water content in products of synthetic rubber "B" was detd. by the heat effect of its interaction with anhyd. $CuSO_4$. The heat effect was measured by the expansion of a thermometric liquid (CCl_4 colored with fuchsine) in a simplified *calorimeter* which is described. The precision of the method was approx. ±0.2–0.3%. W. R. Henn

ASM-SLA METALLURGICAL LITERATURE CLASSIFICATION



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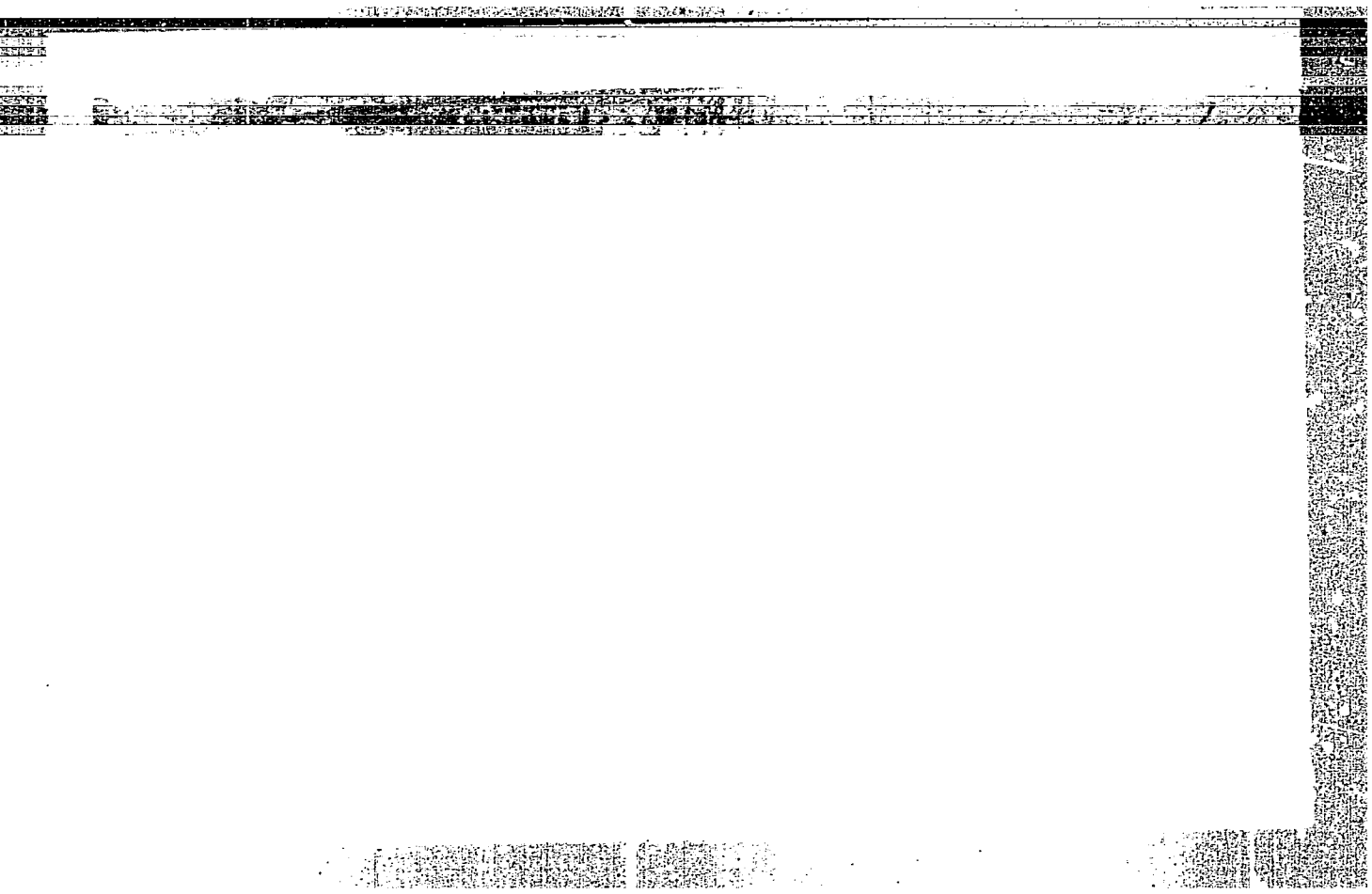
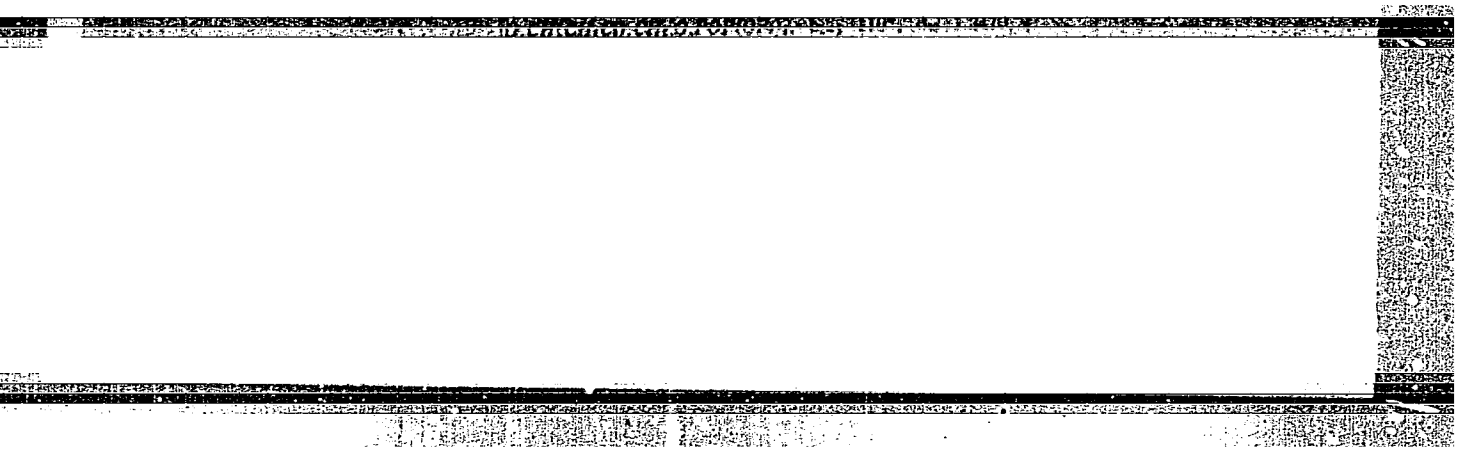
Some derivatives of α-hydroxyalkylphosphonic acids. P. I. Alimov and O. N. Fedorova (A. E. Arbuzov Chem. Inst., Kazan). *Izvest. Akad. Nauk S.S.S.R., Otdel. Khim. Nauk* 1955, 844-51; cf. *C.A.* 47, 96g.—[In the following compds. R = $P(O)(OEt)_2$ and the data are given in the order % yield, b.p./mm., n_D^{20}, and d_{20}.] $(EtO)_2P(O)CMe_2OH$ (18.8 g.), 9.7 g. Et_3N, and petr. ether treated at room temp. with 15 g. $(EtO)_2PCl$, and the mixt. heated 1 hr. at 50-60°, cooled, filtered, and distd. yielded $(EtO)_2POCMe_2R$ (I), 63.1, 106-7°/0.5, 1.4379, 1.0752. This (7.3 g.) heated with 3.9 g. $EtOCCH_2Br$ 45 min. to 130° gave EtBr and $EtO_2CCH_2P(O)(OEt)OCMe_2R$, 47.56, 169-70.5°/1, 1.4450, 1.1570; a similar reaction with EtI in a sealed tube at 135-40° gave in 4 hrs. $EtP(O)(OEt)OCMe_2R$, 67.6, 140-1.5°/2, 1.4393, 1.1165. I (8 g.) in C_6H_6 with 0.81 g. S reacted exothermically and the mixt. heated at 50-60° until the S dissolved gave $(EtO)_2P(S)OCMe_2R$, 56.7 b., 145-6°/1.5, 1.4576, 1.1419. The same method was used for the prepn. of $(EtO)_2POCHMeR$, 78.12, 109-10°/1, 109-10° [in another part of this paper this is given 117.5-18.5°/1], 1.4376, 1.0625, $(PrO)_2POCHMeR$, 50.49, 129-30°/1, 1.4395, 1.0610; 46.65% $(PrO)_2POCMeEtR$, 46.65, 136.5-8°/1.5, 1.4435, 1.0570, $(iso-BuO)_2POCHMeR$, 52.25, 128-8.5°/1, 1.4372, 1.0345; $(iso-BuO)_2POCMe_2R$, 48.12, 126-7°/1, 1.4390, 1.0277, $EtO_2CCH_2P(O)(OEt)OCHMeR$, 51.5, 170-1.5°/1, 1.4425, 1.1761, $EtP(O)(OEt)OCHMeR$, 81, 141.5-3°/1, 1.4370, 1.1295, $PrP(O)(OPr)OCHMeR$, 57.5, 140-2°/0.5, 1.4358, 1.0875, $(EtO)_2P(S)OCHMeR$, —, 145-6°/1, 1.4561, 1.1526; $(PrO)_2P(S)OCHMeR$, 75.6, 156-7°/1, 1.4550, 1.1126, $(PrO)_2P(S)OCMeEtR$, 56.7, 5_1 161-2°/1, 1.4558, 1.1017; $(iso-BuO)_2P(S)OCHMeR$, 65.20, 151-2.5°/1, 1.4525, 1.0813.

G. M. Kosolapoff





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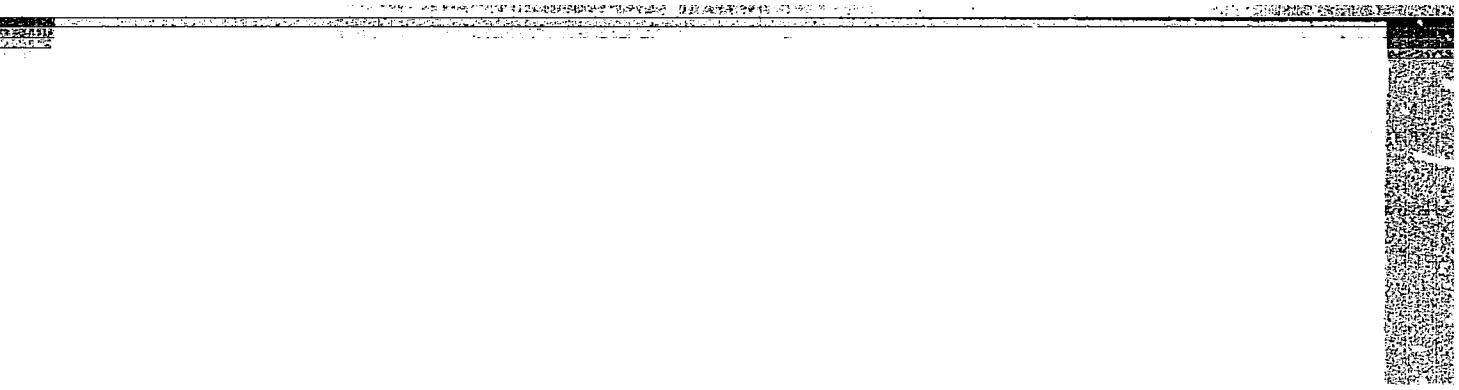
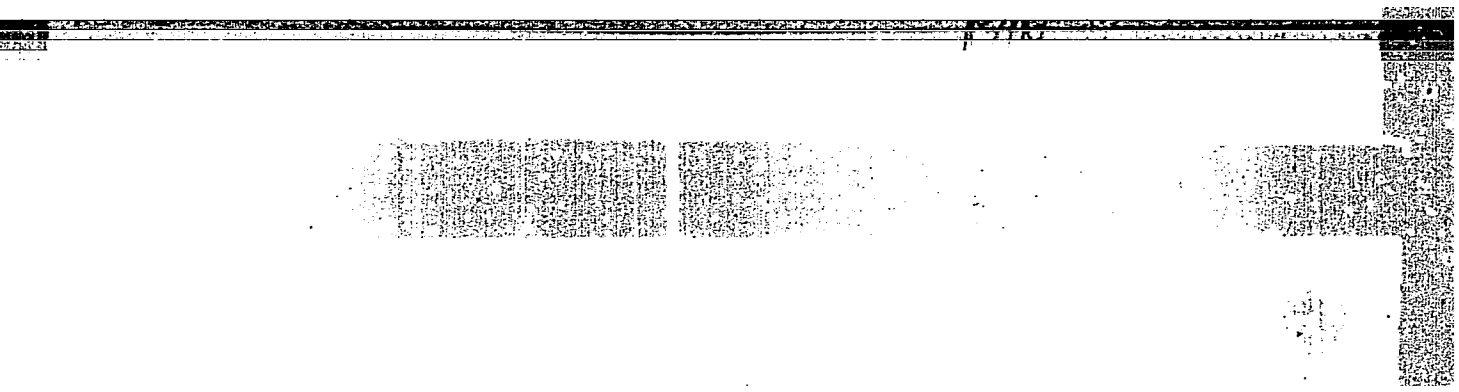
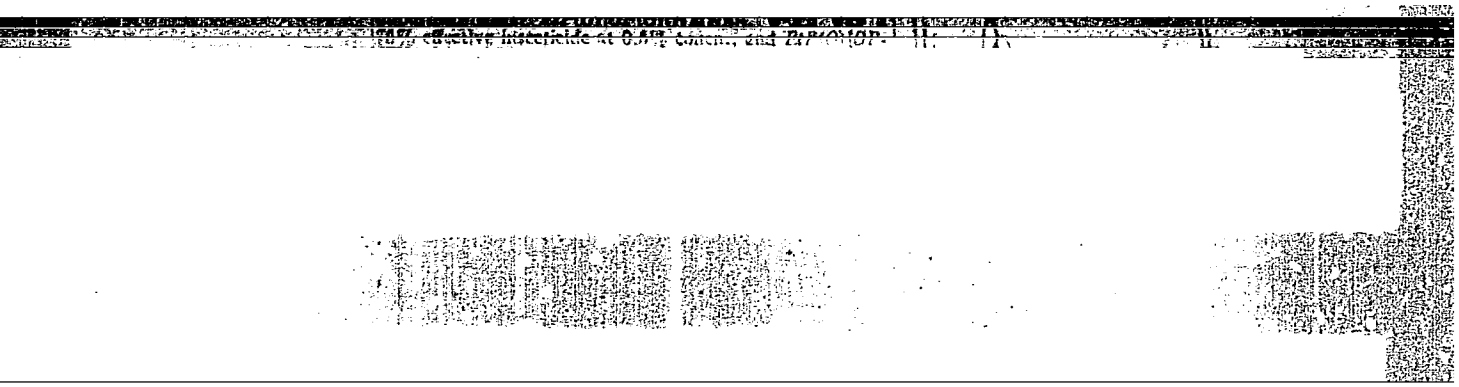
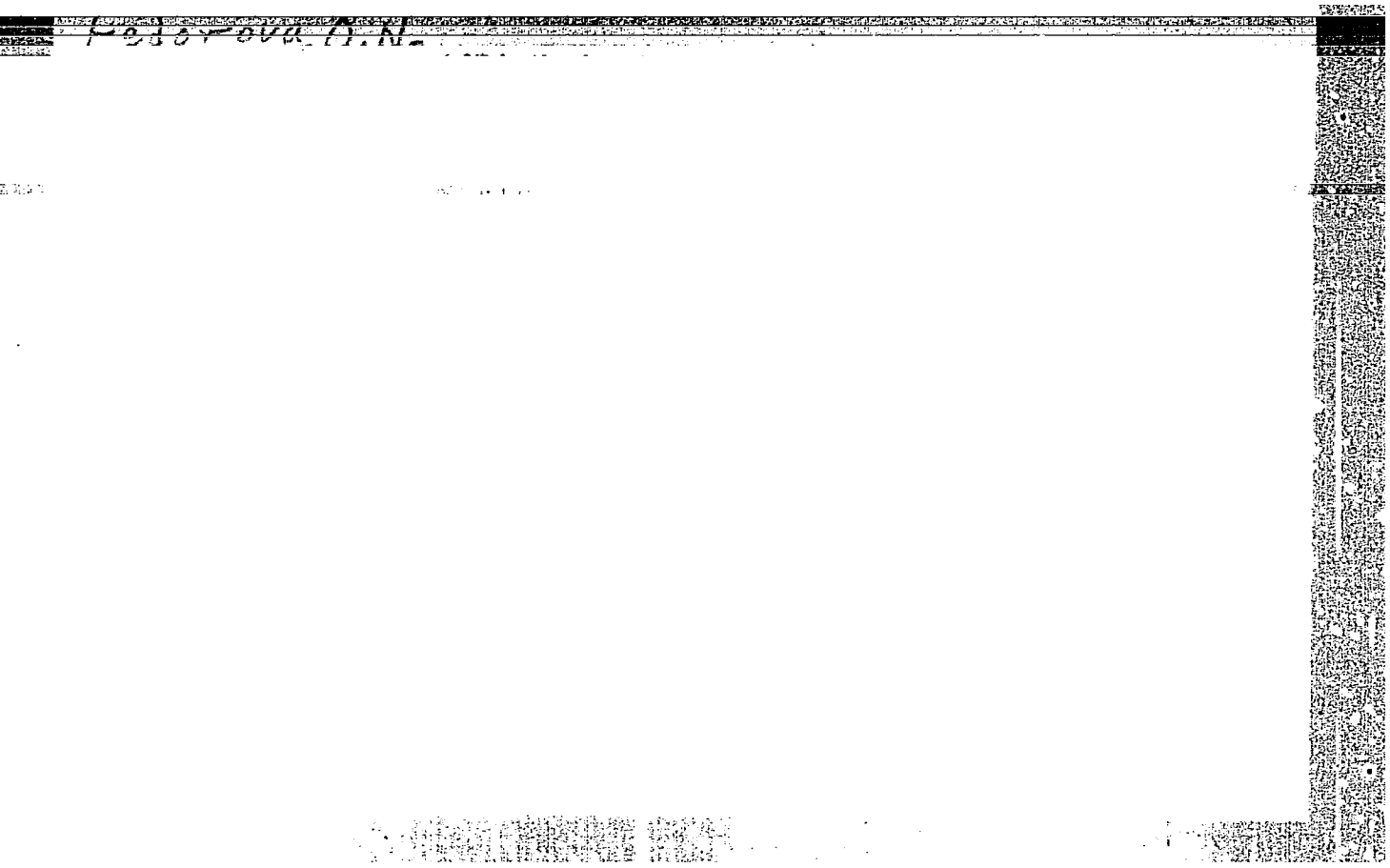








FEDOROVA, O.N., ALIMOV, P.I., ZVEREVA, M.A., (Chem. Inst. im. Acad. A.Ye. Arbuzov, Kazan Affil. AS USSR)

"Esters and Ester Amides of Phosphoric, Thippyrophosphoric, Dithiotriphosphoric Acids and Some of thier Properties" (Efiry i efiroamidy fospornoy, tiopirofosfornykh, ditiotrifosfornoy kislot i ikh nekotoryye svoystva)

Chemistry and Uses of Organophosphorous Compounds (Khimiya i primeneniye fosfororganicheskikh soyedneniy), Trudy of First Conference, 8-10 December 1955, Kazan, pp. 164-175. Published by Kazan Affil. AS USSR, 1957

Report discussed by B. B. Shugayev (Minsk State Medical Institute) and K.S. Shadurskiy (Minsk State Medical Institute).

ALIMOV, P.I.; FEDOROVA, O.N.; CHEPLANOVA, I.V.

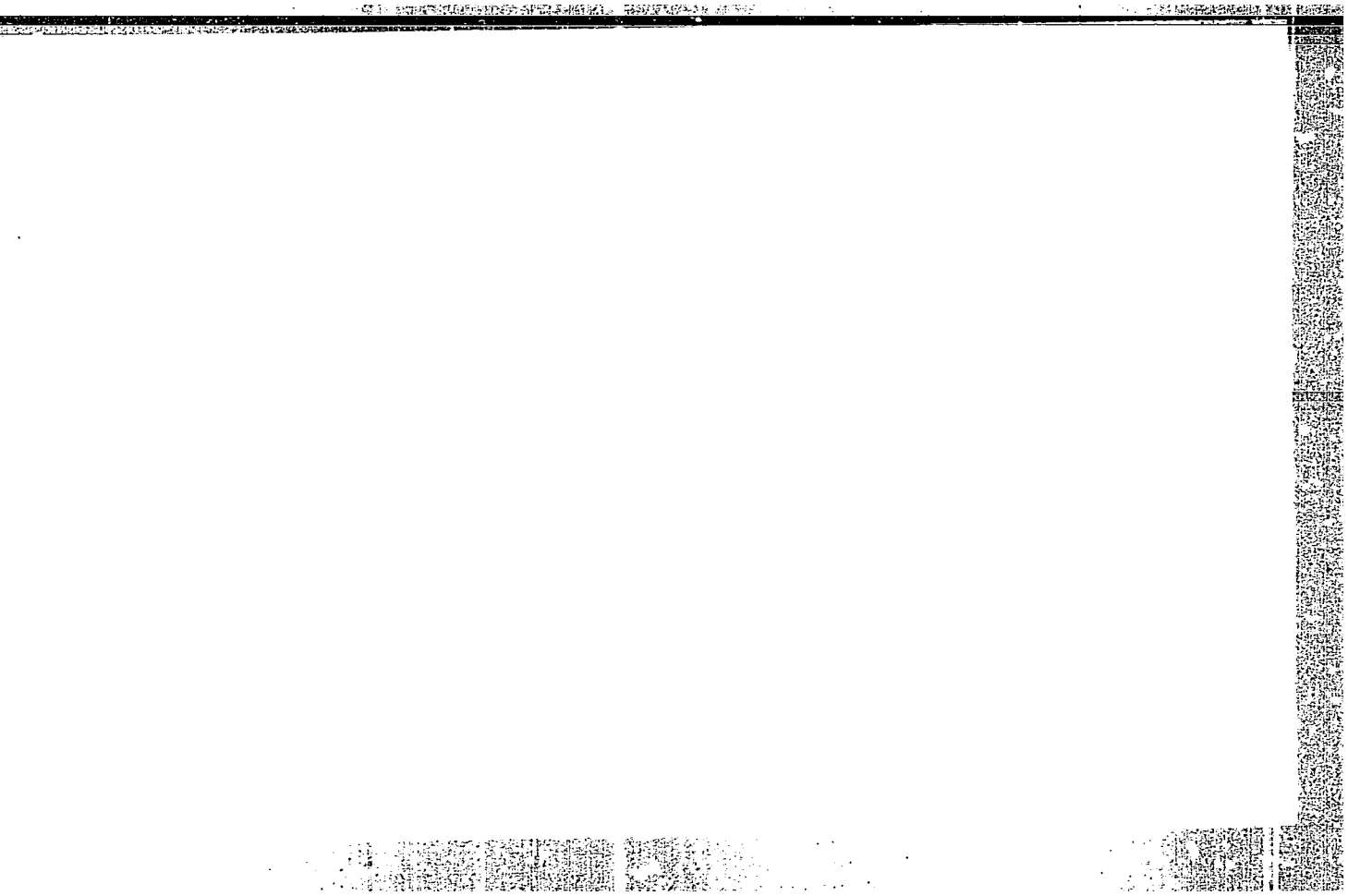
Synthesis and properties of some mixed and N-substituted amides of dialkylphosphoric acids. Izv.Kazan.fil.AN SSSR.Ser. khim.nauk no.4:49-57 '57. (MIRA 12:5)
(Amides)
(Phosphoric acids)

ALIMOV, P.I.; FEDOROVA, O.N.

Syntheses and properties of some di-N-substituted amidophosphates.
Izv. AN SSSR.Otd. khim. nauk no.11:1985-1990 N '60.
(MIRA 13:11)
1. Khimicheskiy institut im. A.Ye.Arbuzova Kazanskogo filiala AN SSSR.
(Phosphoric acid)

ALIMOV, P.I.; FEDOROVA, O.N.

Preparation of amides of N-phosphorylated aminocarboxylic acids.
Izv.Kazan.fil. AN SSSR. Ser.khim.nauk no.6:48-53 '61. (MIRA 16:5)
(Phosphorus organic compounds) (Amides)



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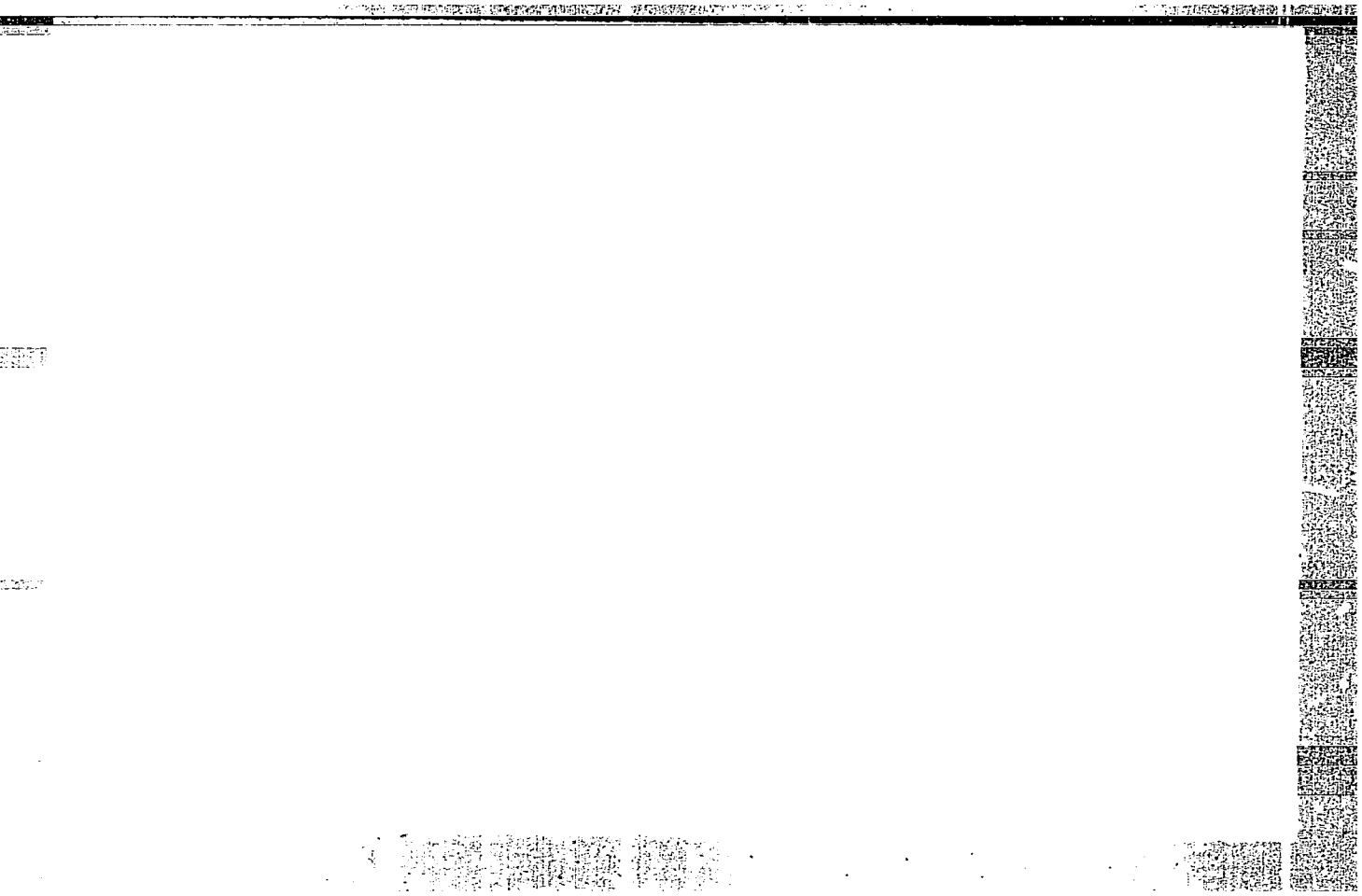

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ACC NR: AP6032588 SOURCE CODE: UR/0062/66/000/008/1370/1373

AUTHOR: Alimov, P. I.; Fedorova, O. N.

ORG: Chemical Institute im. A. Ye. Arbuzov, Academy of Sciences, SSSR (Khimicheskiy institut Akademii nauk SSSR)

TITLE: N-Phosphorylation of glycine and some of its derivatives

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1966, 1370-1373

TOPIC TAGS: glycine, phosphorylation, organic amide

ABSTRACT: The phosphorylation of amino acids and their derivatives is of interest in connection with the biological activity of amino acids, which in phosphorylated forms participate in metabolism. The article describes conditions for the phosphorylation of glycine and some of its substituted amides. Phosphorylated glycines were obtained by the action of dialkylphosphoric acid chlorides on glycine in water in the presence of a tertiary amine at ~ 0°C:

$$(RO)_2P(O)Cl + NH_2CH_2COOH + (C_2H_5)_3N \rightarrow$$
$$\rightarrow (RO)_2P(O)NHCH_2COOH + (C_2H_5)_3N \cdot HCl$$
$$R = C_2H_5 \text{ (I)}; \; C_4H_9 \text{ (II)}$$

Monosubstituted amides of N-phosphorylated aminoacetic acid, where the substituents are various groups, were obtained by the following reactions. The action of hydrox-

 UDC: 542.91+547.466+661.718.1

ylamine on ethyl N-diethylphosphorylglycinate forms the corresponding hydroxamic acid $(C_2H_5O)_2P(O)NHCH_2CONHOH$ (III). The action of chloral or aqueous formaldehyde on N-diethylphosphorylglycinamide produces respectively N-(α-hydroxy-β-trichloroethyl) amide $(C_2H_5O)_2P(O)NHCH_2CONHCH(OH)CCl_3$ (IV) N-hydroxymethyl amide of the same acid $(C_2H_5O)_2P(O)NHCH_2CONHCH_2OH$ (V). N-monomethyl amides of phosphorylated glycines are formed by the action of aqueous methylamine on the corresponding esters

$$(RO)_2P(O)-N(R')-CH_2COOC_2H_5 + CH_3NH_2 \rightarrow$$

$$\rightarrow (RO)_2P(O)-N(R')-CH_2CONHCH_3 + C_2H_5OH$$

$R = C_2H_5$; $R' = H$ (VI); C_2H_5 (VII); $R = i\text{-}C_3H_7$; $R' = C_4H_9$ (VIII).

Disubstituted amides of N-dialkylphosphoryl-N-ethylglycines were obtained by the reaction

$$(RO)_2P(O)-N(R')-Na + ClCH_2CONR_2'' \rightarrow (RO)_2P(O)-N(R')-CH_2CONR_2'' + NaCl$$

where R, R' and R'' are alkyls. The physical constants and yields of disubstituted amides are shown in Table 1. Orig. art. has: 1 table.

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Table 1. Dialkyl Amides of N-Dialkylphosphoryl-N-Ethylglycines

Formula	BP, °C (p, mm Hg)	d_4^{20}	n_D^{20}	Yield, %
$(C_2H_5O)_2P(O)-N(C_2H_5)-CH_2CON(CH_3)_2$	118—119,5 (0,5)	1,1076	1,4585	37,61
$(C_2H_5O)_2P(O)-N(C_2H_5)-CH_2CON(C_2H_5)_2$	131—132 (1(	1,0668	1,4569	47,1
$(C_2H_5O)_2P(O)-N(C_2H_5)-CH_2CON(C_4H_9\text{-}i)_2$	144—145 (1,5)	1,0176	1,4542	62,0
$(C_2H_5O)_2P(O)-N(C_2H_5)-CH_2CON(C_4H_9)_2$	163—164 (1)	1,0190	1,4570	57,7
$(i\text{-}C_3H_7O)_2P(O)-N(C_2H_5)-CH_2CON(C_2H_5)_2$	126—127 (0,5)	1,0284	1,4515	53,4
$(i\text{-}C_3H_7O)_2P(O)-N(C_2H_5)-CH_2CON(C_4H_9)_2$	146—147 (1)	0,9923	1,4525	45,4

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ACC NR: AP7010721 SOURCE CODE: UR/0062/66/000/008/1461/1463

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TITLE: Condensation of N-methylolamides of dialkylphosphorous acids with mercaptans

SOURCE: AN SSSR. Izvestiya. Seriya khimicheskaya, no. 8, 1966, 1461-1463

TOPIC TAGS: mercaptan, condensation reaction, organic amide, carboxylic acid

SUB CODE: 07

ABSTRACT: The condensation of N-methylolamides of dialkylphosphorous acids with mercaptans was found to proceed analogously to the corresponding carboxylic acid derivatives, yielding N-alkylthiomethylamides. Six new N-alkylthiomethylamides of dialkylphosphorous acids were produced by condensation of propyl, isopropyl, and butyl mercaptans with N-methylolamides of diethyl-, dipropyl-, diisopropyl-, and diisobutylphosphoric acids. The corresponding N-methylolamidophosphates were produced by the action of formaldehyde on amides of dialkylphosphoric acids (the alkyl residues being ethyl, propyl, isopropyl, and isobutyl) and that of paraform on the N-ethyl-amide of diethylphosphoric acid. Acyl derivatives were produced by the

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ACC NR: AP7010721

action of acetyl chloride upon N-methylolamidophosphates. The physical properties of all the new derivatives are described. Orig. art. has: 2 formulas and 2 tables. [JPRS: 40,351]

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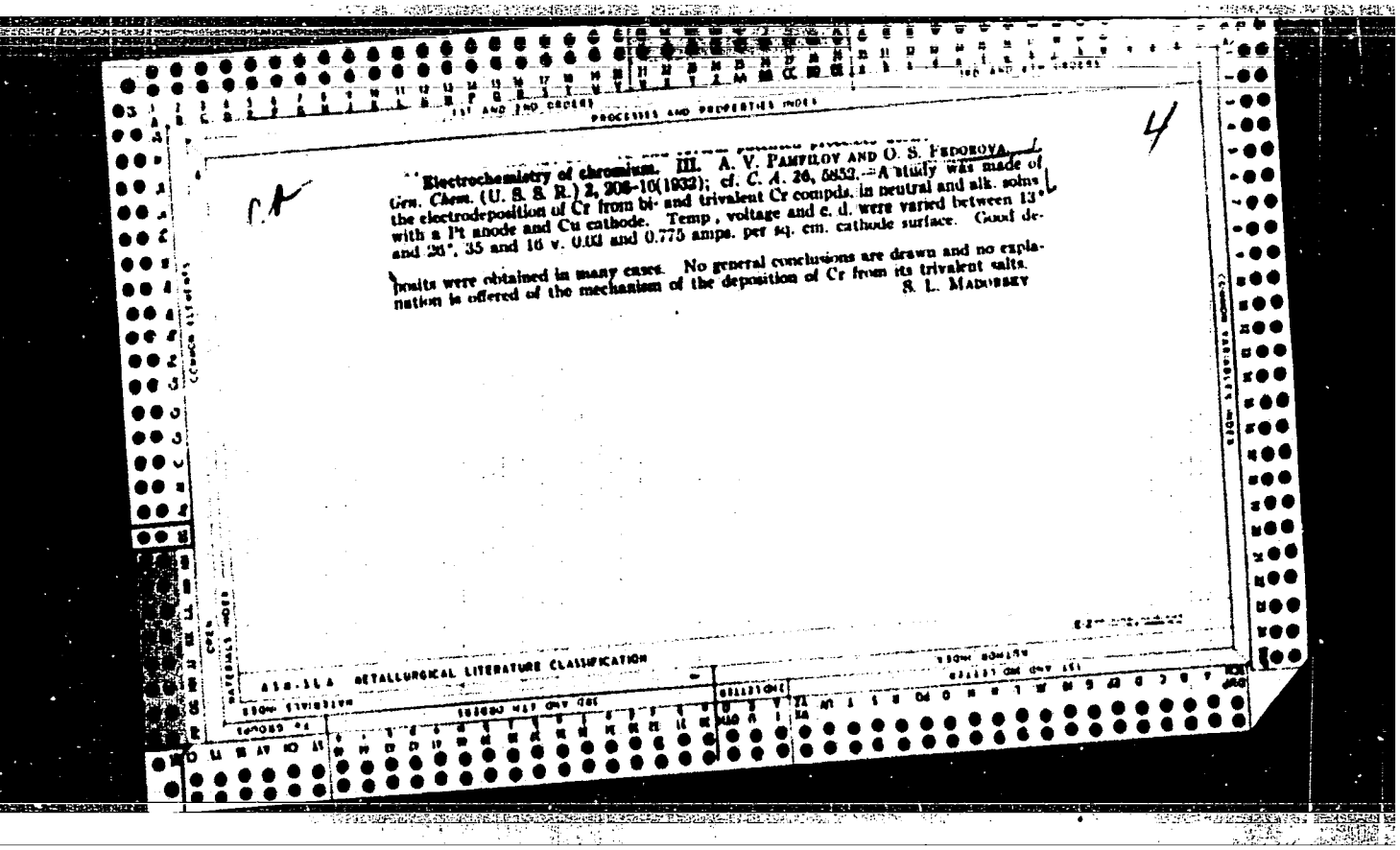
1ST AND 2ND ORDERS

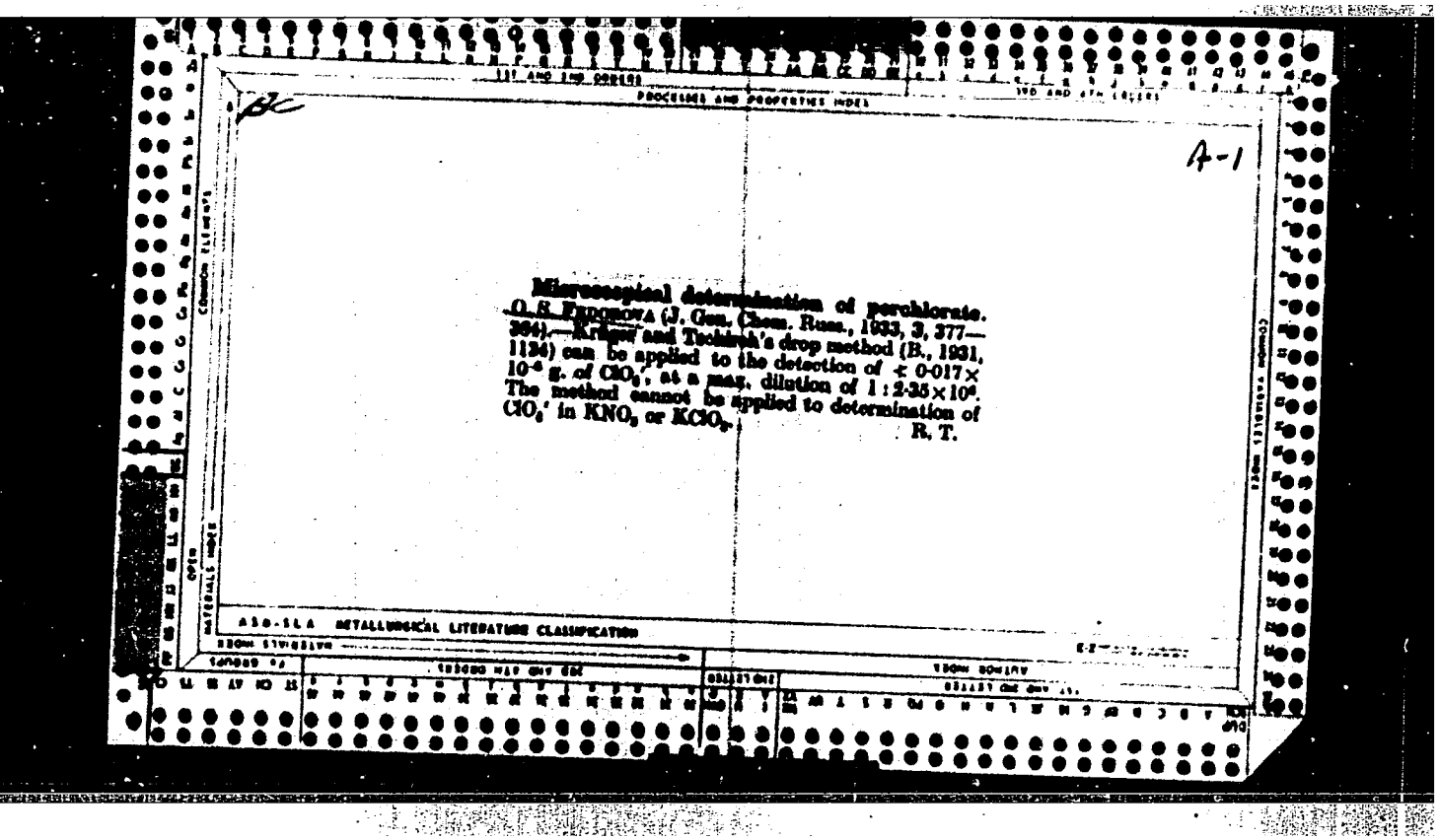
PROCESSES AND PROPERTIES INDEX

The formation of perchlorate by electrolysis. II. A. V. Pamfilov and O. N. Fedorova. *J. Russ. Phys.-Chem. Soc.* 61, 203-7(1929); cf. *C. A.* 23, 2371.—Electrolysis of 5-10% NaCl contg. 80% $NaClO_4$ was carried out in a closed cell with Pt electrodes, the c. d. being 0.2-2.0 amp. per sq. cm. The total yields of Cl_2, $NaClO_3$ and $NaClO_4$ detd. by analysis of the soln. agreed with those calcd. from gasometric data. The amts. of $NaClO_4$ formed were not influenced by the c. d (cf. *C. A.* 23, 2371). B. S.

ASA-SLA METALLURGICAL LITERATURE CLASSIFICATION



Electrochemistry of chromium. III. A. V. PAMFILOV AND O. S. FEDOROVA. *Gen. Chem.* (U. S. S. R.) 2, 208–10(1932); cf. *C. A.* 26, 5852.—A study was made of the electrodeposition of Cr from bi- and trivalent Cr compds. in neutral and alk. solns with a Pt anode and Cu cathode. Temp., voltage and c. d. were varied between 13° and 20°, 35 and 16 v. 0.03 and 0.775 amps. per sq. cm. cathode surface. Good deposits were obtained in many cases. No general conclusions are drawn and no explanation is offered of the mechanism of the deposition of Cr from its trivalent salts.
S. L. MADORSKY

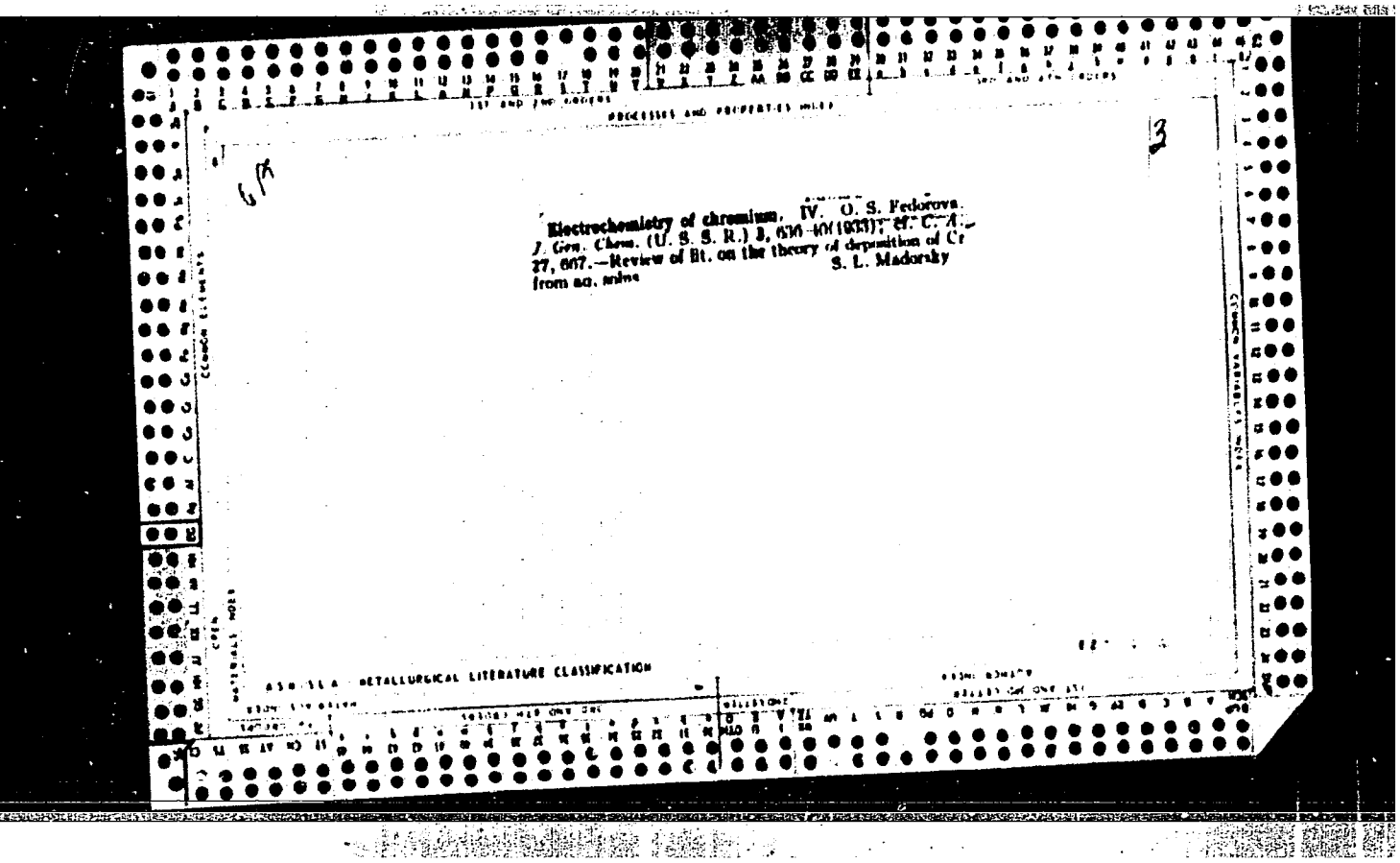


A-1

Microscopical determination of perchlorate. O. S. FEDOROVA (J. Gen. Chem. Russ., 1933, 3, 377—384).—Krüger and Tschirch's drop method (B., 1931, 1134) can be applied to the detection of $< 0{\cdot}017 \times 10^{-6}$ g. of ClO_4', at a max. dilution of $1:2{\cdot}35 \times 10^6$. The method cannot be applied to determination of ClO_4' in KNO_3 or $KClO_3$.

R. T.

A50-SLA METALLURGICAL LITERATURE CLASSIFICATION



Electrochemistry of chromium, IV. O. S. Fedorova. J. Gen. Chem. (U. S. S. R.) 3, 630-40 (1933); cf. C. A. 27, 667.—Review of lit. on the theory of deposition of Cr from aq. solns. S. L. Madorsky